# Index of Authors and Titles

To avoid possible confusion caused by the page numbering error in Volume 107 parts 2 and 3, all entries for these two issues are shown as either **107.2** for part 2 or **107.3** for part 3.


**Aberdam, E.** *See* Romero, C.

**Aberle, H., Butz, S., Stappert, J., Weissig, H., Kemler, R. and Hoschuetzky, H.** Assembly of the cadherin-catenin complex in vitro with recombinant proteins. **107**, 3655

**Adelstein, R. S.** *See* Maupin, P.

**Aghion, J., Gueth-Hallonet, C., Antony, C., Gros, D. and Maro, B.** Cell adhesion and gap junction formation in the early mouse embryo are induced prematurely by 6-DMAP in the absence of E-cadherin phosphorylation **107**, 1369

**Ahmad, F. J.** *See* Baas, P. W.

**Aktories, K.** *See* Just, I.

**Albino, A. P.** *See* Rettig, W. J.

**Alche, J. D., Fernandez, M. C. and Rodriguez-Garcia, M. I.** Cytochemical features common to nucleoli and cytoplasmic nucleoloids of *Olea europeae* meiocytes: detection of rRNA by in situ hybridization **107.2**, 621

**Alexander, S.** *See* Watson, N.

**Alford, D.** *See* Berdichevsky, F.

**Alkemade, J. A. C., Molhuizen, H. O. F., Ponec, M., Kempenaar, J. A., Zeeuwen, P. L. J. M., de Jongh, G. J., van Vlijmen-Willems, I. M. J. J., van Erp, P. E. J., van de Kerkhof, P. C. M. and Schalkwijk, J.** SKALP/elafin is an inducible proteinase inhibitor in human epidermal keratinocytes **107**, 2335

**Allan, V. and Vale, R.** Movement of membrane tubules along microtubules in vitro: evidence for specialised sites of motor attachment **107**, 1885

**Allen, D. L.** *See* Law, D. J.

**Allshire, R. C.** *See* McManus, J.

**Alper, S. L.** *See* Frangioni, J. V.

**Alsat, E.** *See* Mollat, P.

**Alvares, K.** *See* Usuda, N.

**Amalric, F.** *See* Quarto, N.

**Andjelkovic, N.** *See* Mayer-Jaekel, R. E.

**Andre, F., Filippi, P. and Feracci, H.** Merosin is synthesized by thyroid cells in primary culture irrespective of cellular organization **107**, 183

**Andreoli, C., Martin, M., Le Borgne, R., Reggio, H. and Mangeat, P.** Ezrin has properties to self-associate at the plasma membrane **107**, 2509

**Andres, A.-C.** *See* Lucassen, E.

**Ansari, B.** *See* Hall, P. A.

**Ansorge, W.** *See* Todorov, I. T.

**Antoine, J.-C.** *See* Lang, T.

**Antony, C.** *See* Aghion, J.

**Antony, C.** *See* Dominguez, J. E.

**Appeddu, P. A. and Shur, B. D.** Control of stable lamellipodia formation by expression of cell surface β1,4-galactosyltransferase cytoplasmic domains **107**, 2535

**Appel, D. and Koch-Brandt, C.** Sorting of a secretory protein (gp80) to the apical surface of Caco-2 cells **107.2**, 553

**Arcangeletti, C.** *See* Olink-Coux, M.

**Arias, A. E.** *See* Velez-Granell, C. S.

**Arkett, S. A., Dixon, S. J. and Sims, S. M.** Lamellipod extension and $K^+$ current in osteoclasts are regulated by different types of G proteins **107.2**, 517

**Arseven, K.** *See* Fullekrug, J.

**Asada, T. and Shibaoka, H.** Isolation of polypeptides with microtubule-translocating activity from phragmoplasts of tobacco BY-2 cells **107**, 2249

**Asai, D. J., Beckwith, S. M., Kandl, K. A., Keating, H. H., Tjandra, H. and Forney, J. D.** The dynein genes of *Paramecium tetraurelia*: sequences adjacent to the catalytic P-loop identify cytoplasmic and axonemal heavy chain isoforms **107**, 839

**Ashhurst, D. E.** *See* Critchlow, M. A.

**Aten, J. A.** *See* Wansink, D. G

**Atherton, A. J., O'Hare, M. J., Buluwela, L., Titley, J., Monaghan, P., Paterson, H. F., Warburton, M. J. and Gusterson, B.A.** Ectoenzyme regulation by phenotypically distinct fibroblast sub-populations isolated from the human mammary gland **107**, 2931

**Audebert, S., Koulakoff, A., Berwald-Netter, Y., Gros, F., Denoulet, P. and Edde, B.** Developmental regulation of polyglutamylated α and β-tubulin in mouse brain neurons **107**, 2313

**Ausiello, D. A.** *See* Bruno de Almeida, J.

**Ausiello, D. A.** *See* Verbavatz, J. M.

**Avila, J.** *See* Dominguez, J. E.

**Ayad, S.** *See* Tuckwell, D. S.

**Ayala, S. J.** Transport and internal organization of membranes: vesicles, membrane networks and GTP-binding proteins **107**, 753

**Aydelotte, M. B.** *See* Hauselmann, H. J.

**Azam, M.** *See* De Corte, V.

**Azum-Gelade, M.-C., Noaillac-Depeyre, J., Caizergues-Ferrer, M. and Gas, N.** Cell cycle redistribution of U3 snRNA and fibrillarin. Presence in the cytoplasmic nucleolus remnant and in the prenucleolar bodies at telophase **107.2**, 463

**Baas, P. W., Pienkowski, T. P., Cimbalnik, K. A., Toyama, K., Bakalis, S., Ahmad, F. J. and Kosik, K. S.** tau confers drug stability but not cold stability to microtubules in living cells **107**, 135

**Babcock, K. L.** *See* Neveu, M. J.

**Bacallao, R., Garfinkel, A., Monke, S., Zampighi, G. and Mandel, L. J.** ATP depletion: a novel method to study junctional properties in epithelial tissues. I. Rearrangement of the actin cytoskeleton **107**, 3301

**Bacallao, R.** *See* Mandel, L. J.

**Bachellerie, J.- P.** *See* Puvion-Dutilleul, F.

**Bachs, O.** *See* Portoles, M.

**Backhus, L. E.** *See* Cary, R. B.

**Baetens, D.** *See* Cirulli, V.

**Bailer, S. M.** *See* Buss, F.

**Bakalis, S.** *See* Baas, P. W.

**Baker, P. L., Daggett, D. F. and Peng, H. B.** Concentration of pp125 focal adhesion kinase (FAK) at the myotendinous junction **107**, 1485

**Bakke, O.** *See* Bremnes, B.

**Balajee, A. S.** *See* Jackson, D. A.

**Balber, A. E.** *See* Brickman, M. J.

**Barbat, A.** *See* Chantret, I.

**Baricault, L., de Nechaud, B., Sapin, C., Codogno, P., Denoulet, P. and Trugnan, G.** The network organization and the phosphorylation of cytokeratins are concomitantly modified by forskolin in the enterocyte-like differentiated Caco-2 cell line **107**, 2909

**Barlat, I.** *See* Rech, J.

**Baron, A. T., Suman, V. J., Nemeth, E. and Salisbury, J. L.** The pericentriolar lattice of $PtK_2$ cells exhibits temperature and calcium-modulated behavior **107**, 2993

**Barry, S. T. and Critchley, D. R.** Serum-induced assembly of focal adhesions and actin stree fibres in Swiss 3T3 cells is accompanied by tyrosine phosphorylation of pp125FAK and paxillin **107**, 2033

**Barry, V. A. and Cheek, T. R.** Extracellular ATP triggers two functionally distinct calcium signalling pathways in PC12 cells **107.2**, 451

**Bartek, J.** *See* Golsteyn, R. M.

**Bartles, J. R.** *See* Cesario, M. M.

**Bartolome, S., Bermudez, A. and Daban, J.-R.** Internal structure of the 30 nm chromatin fiber **107**, 2983

**Basset-Seguin, N.** *See* Moles, J.-P.

**Bassim Hassan, A. and Cook, P. R.** Does transcription by RNA polymerase play a direct role in the initiation of replication? **107**, 1381

**Bassim Hassan, A., Errington, R. J., White, N. S., Jackson, D. A. and Cook, P. R.** Replication and transcription sites are colocalized in human cells **107.2**, 425

**Bassnett, S., Kuszak, J. R., Reinisch, L., Brown, H. G. and Beebe, D.**

**C.** Intercellular communication between epithelial and fiber cells of the eye lens **107**, 799
**Bataille, N.** *See* He, X.-P.
**Bayley, S. A.** *See* Filsell, W.
**Beckwith, S. M.** *See* Asai, D. J.
**Beebe, D. C.** *See* Bassnett, S.
**Beertsen, W.** *See* van der Zee, E.
**Begg, D. A.** *See* Stevenson, B. R.
**Behzadian, M. A.** *See* Jiang, B.
**Belkin, A. M. and Burridge, K.** Expression and localization of the phosphoglucomutase-related cytoskeletal protein, aciculin, in skeletal muscle **107**, 1993
**Belkin, A. M., Klimanskaya, I. V., Lukashev, M. E., Lilley, K., Critchley, D. R. and Koteliansky, V. E.** A novel phosphoglucomutase-related protein is concentrated in adherens junctions of muscle and nonmuscle cells **107**, 159
**Bell, D. J.** *See* Ma, A. S. P.
**Bellusci, S., Moens, G., Thiery, J.-P. and Jouanneau, J.** A scatter factor-like factor is produced by a metastatic variant of a rat bladder carcinoma cell line **107**, 1277
**Belyavsky, A.** *See* Poon, R. Y. C.
**Ben-Ze'ev, A.** *See* Gluck, U.
**Bendayan, M.** *See* Velez-Granell, C. S.
**Bender, J. R.** *See* Milstone, L. M.
**Benoliel, A.-M.** *See* Kaplanski, G.
**Berdichevsky, F., Alford, D., D'Souza, B. and Taylor-Papadimitriou, J.** Branching morphogenesis of human mammary epithelial cells in collagen gels **107**, 3557
**Bermudez, A.** *See* Bartolome, S.
**Bernhard, E. J.** *See* Himelstein, B. P.
**Berry, L.** *See* Clements, J. M.
**Bershadsky, A. D.** *See* Citi, S.
**Berwald-Netter, Y.** *See* Audebert, S.
**Biber, K.** *See* Bohrmann, J.
**Bibor-Hardy, V.** *See* Joly, E. C.
**Bickmore, W. A.** *See* McManus, J.
**Bicknell, G. R., Snowden, R. T. and Cohen, G. M.** Formation of high molecular mass DNA fragments is a marker of apoptosis in the human leukaemic cell line, U937 **107**, 2483
**Biegelmann, E.** *See* Jungbluth, A.
**Blanchard, J. M.** *See* Rech, J.
**Bland, Y. S.** *See* Critchlow, M. A.
**Blau, H. M.** *See* Cho, M.
**Block, J. A.** *See* Hauselmann, H. J.
**Bloom, K.** *See* Brock, J.-A. K.
**Boezeman, J. B. M.** *See* van Ruissen, F.
**Bohrmann, J. and Biber, K.** Cytoskeleton-dependent transport of cytoplasmic particles in previtellogenic to mid-vitellogenic ovarian follicles of *Drosophila*: time-lapse analysis using video-enhanced contrast microscopy **107**, 849
**Boitano, S., Sanderson, M. J. and Dirksen, E. R.** A role for $Ca^{2+}$-conducting ion channels in mechanically-induced signal transduction of airway epithelial cells **107**, 3037
**Bonaccorsi, S.** *See* Cenci, G.
**Bonde, E. M.** *See* D'Andrea, L.
**Bongrand, P.** *See* Kaplanski, G.
**Bonneaud, N., Minvielle-Sebastia, L., Cullin, C. and Lacroute, F.** Cellular localization of RNA14p and RNA15p, two yeast proteins involved in mRNA stability **107**, 913
**Borisy, G. G.** *See* Zhai, Y.
**Bosch, T. C. G.** *See* Lopez de Haro, M. S.
**Bossler, A.** *See* Bulinski, J. C.
**Boucaut, J.-C.** *See* Shi, D.-L.
**Bouziges, F.** *See* Simon-Assmann, P.
**Bovolenta, P.** *See* Fernaud-Espinosa, I.
**Brandt, R.** *See* Leger, J. G.
**Brar, S. K.** *See* Desbarats, L.
**Brass, A.** *See* Clements, J. M.
**Bregman, D. B., Du, L., Li, Y., Ribisi, S. and Warren, S. L.** Cytostellin distributes to nuclear regions enriched with splicing factors **107.3**, 387
**Bremnes, B., Madsen, T., Gedde-Dahl, M. and Bakke, O.** An LI and ML motif in the cytoplasmic tail of the MHC-associated invariant chain mediate rapid internalization **107**, 2021
**Bretscher, A.** *See* Footer, M.
**Brickman, M. J. and Balber, A. E.** Transport of a lysosomal membrane glycoprotein from the Golgi to endosomes and lysosomes via the cell surface in African trypanosomes **107**, 3191
**Bridger, J. M.** *See* Hutchison, C. J.
**Brignoni, M.** *See* Rodriguez, M. L.
**Broadie, K.** *See* Meadows, L. A.
**Brock, J.-A. K. and Bloom, K.** A chromosome breakage assay to monitor mitotic forces in budding yeast **107**, 891
**Brooks, R. F.** *See* Hola, M.
**Brot-Laroche, E.** *See* Chantret, I.
**Brown, D.** *See* Verbavatz, J. M.
**Brown, G. W.** *See* Pasion, S. G.
**Brown, H. G.** *See* Bassnett, S.
**Brown, J. C., Wiedermann, H. and Timpl, R.** Protein binding and cell adhesion properties of two laminin isoforms (AmB1eBe2, AmB1sB2e) from human placenta **107**, 329
**Brown, K. S.** *See* Mitchell, D. R.
**Brown, L. M.** *See* Pasion, S. G.
**Brown, S. S.** *See* Haarer, B. K.
**Brugidou, J.** *See* Had, L.
**Bruno de Almeida, J., Holtzman, E. J., Peters, P., Ercolani, L., Ausiello, D. A. and Stow, J. L.** Targeting of chimeric $G\alpha_i$ proteins to specific membrane domains **107.3**, 507
**Brusselbach, S.** *See* Burger, C.
**Brusselbach, S.** *See* Wick, M.
**Bruzzone, R., White, T. W. and Paul, D. L.** Expression of chimeric connexins reveals new properties of the formation and gating behavior of gap junction channels **107**, 955
**Bucci, C.** *See* Pizon, V.
**Buchwald, M.** *See* Rochwerger, L.
**Buendia, B.** *See* Dominguez, J. E.
**Bulinski, J. C. and Bossler, A.** Purification and characterization of ensconsin, a novel microtubule stabilizing protein **107**, 2839
**Bullard, B.** *See* Ferguson, C.
**Buluwela, L.** *See* Atherton, A. J.
**Buonavista, N.** *See* Cornillon, S.
**Burba, M.** *See* Hatzfeld, M.
**Burger, C., Wick, M., Brusselbach, S. and Muller, R.** Differential induction of 'metabolic genes' after mitogen stimulation and during normal cell cycle progression **107**, 241
**Burger, C., Wick, M. and Muller, R.** Lineage-specific regulation of cell cycle gene expression in differentiating myeloid cells **107**, 2047
**Burger, C.** *See* Sewing, A.
**Burger, C.** *See* Wick, M.
**Burgess, D. R.** *See* Walker, G. R.
**Burighel, P.** *See* Denisenko, N.
**Burridge, K.** *See* Belkin, A. M.
**Burridge, K.** *See* Chrzanowska-Wodnicka, M.
**Bush, J., Nolta, K., Rodriguez-Paris, J., Kaufmann, N., O'Halloran, T., Ruscetti, T., Temesvari, L., Steck, T. and Cardelli, J.** A Rab4-like GTPase in *Dictyostelium discoideum* colocalizes with $V\text{-}H^+$-ATPases in reticular membranes of the contractile vacuole complex and in lysosomes **107**, 2801
**Buss, F., Kent, H., Stewart, M., Bailer, S. M. and Hanover, J. A.** Role of different domains in the self-association of rat nucleoporin p62 **107.2**, 631
**Butcher, G. W.** *See* Ferguson, C.
**Butz, S.** *See* Aberle, H.
**Byers, S. W.** *See* Tozeren, A.
**Caizergues-Ferrer, M.** *See* Azum-Gelade, M.-C.
**Caldwell, R. B.** *See* Jiang, B.
**Callaham, D. A.** *See* Hush, J. M.
**Callaini, G., Riparbelli, M. G. and Dallai, R.** The distribution of

cytoplasmic bacteria in the early *Drosophila* embryo is mediated by astral microtubules **107.3**, 673
**Camidge, D. R. and Pearse, B. M. F.** Cloning of *Drosophila* β-adaptin and its localization on expression in mammalian cells **107.3**, 709
**Campochiaro, P. A., Hackett, S. F., Vinores, S. A., Freund, J., Csaky, C., LaRochelle, W., Henderer, J., Johnson, M., Rodriguez, I. R., Friedman, Z., Derevjanik, N. and Dooner, J.** Platelet-derived growth factor is an autocrine growth stimulator in retinal pigmented epithelial cells **107**, 2459
**Canete-Soler, R.** *See* Himelstein, B. P.
**Capetanaki, Y.** *See* Gillard, B. K.
**Cardelli, J.** *See* Bush, J.
**Carmeliet, G., Himpens, B. and Cassiman, J.-J.** Selective increase in the binding of the $\alpha_1\beta_1$ integrin for collagen type IV during neurite outgrowth of human neuroblastoma TR 14 cells **107**, 3379
**Carnac, G.** *See* Vandromme, M.
**Carsberg, C. J., Warenius, H. M. and Friedmann, P. S.** Ultraviolet radiation-induced melanogenesis in human melanocytes. Effects of modulating protein kinase C **107**, 2591
**Carter, V.** *See* Das, A.
**Carter, V.** *See* Gale Jr, M.
**Cary, R. B., Klymkowsky, M. W., Evans, R. M., Domingo, A., Dent, J. A and Backhus, L. E.** Vimentin's tail interacts with actin-containing structures in vivo **107**, 1609
**Casey, D.** *See* Meijne, A. M. L.
**Casey, D. M.** *See* Meijne, A. M. L.
**Cassard-Doulcier, A. M.** *See* Klaus, S.
**Cassiman, J.-J.** *See* Carmeliet, G.
**Cassimeris, L., Rieder, C. L. and Salmon, E. D.** Microtubule assembly and kinetochore directional instability in vertebrate monopolar spindles: implications for the mechanism of chromosome congression **107**, 285
**Cassio, D.** *See* Shanks, M. R.
**Castleden, S.** *See* Hola, M.
**Castro-Munozledo, F.** Development of a spontaneous permanent cell line of rabbit corneal epithelial cells that undergoes sequential stages of differentiation in cell culture **107**, 2343
**Cavadore, J.-C.** *See* Gavin, A.-C.
**Cella, N.** *See* Chammas, R.
**Cenci, G., Bonaccorsi, S., Pisano, C., Verni, F. and Gatti, M.** Chromatin and microtubule organization during premeiotic, meiotic and early postmeiotic stages of *Drosophila melanogaster* spermatogenesis **107**, 3521
**Cesario, M. M. and Bartles, J. R.** Compartmentalization, processing and redistribution of the plasma membrane protein CE9 on rodent spermatozoa. Relationship of the annulus to domain boundaries in the plasma membrane cell of the tail **107.2**, 561
**Chakraborty, T.** *See* Temm-Grove, C. J.
**Chalfie, M.** *See* Savage, C.
**Chambers, J. A., Hollingsworth, M. A., Trezise, A. E. O. and Harris, A.** Developmental expression of mucin genes *MUC1* and *MUC2* **107.2**, 413
**Chammas, R., Taverna, D., Cella, N., Santos, C. and Hynes, N. E.** Laminin and tenascin assembly and expression regulate HC11 mouse mammary cell differentiation **107**, 1031
**Champigny, O.** *See* Klaus, S.
**Chan, Y.-m., Yu, Q.-C., LeBlanc-Straceski, J., Christiano, A., Pulkkinen, L., Kucherlapati, R. S., Uitto, J. S. and Fuchs, E.** Mutations in the non-helical linker segment L1-2 of keratin 5 in patients with Weber-Cockayne epidermolysis bullosa simplex **107**, 765
**Chandler, D. E.** *See* Mozingo, N. M.
**Chandra, R.** *See* Endow, S. A.
**Chantret, I., Rodolosse, A., Barbat, A., Dussaulx, E., Brot-Laroche, E., Zweibaum, A. and Rousset, M.** Differential expression of sucrase-isomaltase in clones isolated from early and late passages of the cell line Caco-2: evidence for glucose-dependent negative regulation **107**, 213
**Chao, Y.-J.** *See* Tang, T. K.
**Chapin, C. J.** *See* Gundersen, G. G.
**Chaplin, M. A.** *See* Henderson, C. G.
**Cheek, T. R.** *See* Barry, V. A.
**Chen, W.-J. and Liem, R. K. H.** The endless story of the glial fibrillary acidic protein **107**, 2299
**Chen, X., Reynolds, E. R., Ranganayakulu, G. and O'Donnell, J. M.** A maternal product of the *Punch* locus of *Drosophila melanogaster* is required for precellular blastoderm nuclear divisions **107**, 3501
**Chen, Y. Q.** *See* Clyman, R.I.
**Cheshire, J. L., Evans, J. H. and Keller, L. R.** $Ca^{2+}$ signaling in the *Chlamydomonas* flagellar regeneration system: cellular and molecular responses **107**, 2491
**Chettibi, S., Lawrence, A. J., Young, J. D., Lawrence, P. D. and Stevenson, R. D.** Dispersive locomotion of human neutrophils in response to a steroid-induced factor from monocytes **107**, 3173
**Cheung, D.** *See* Tuan, T.-L.
**Chezzi, C.** *See* Olink-Coux, M.
**Chiba, H.** *See* Kojima, T.
**Chinery, R.** *See* Dover, R.
**Chiquet, M.** *See* Walchli, C.
**Cho, M., Hughes, S. M., Karsch-Mizrachi, I., Travis, M., Leinwand, L. A. and Blau, H. M.** Fast myosin heavy chains expressed in secondary mammalian muscle fibers at the time of their inception **107**, 2361
**Chou, C.-F. and Omary, M. B.** Mitotic arrest with anti-microtubule agents or okadaic acid is associated with increased glycoprotein terminal GlcNAc's **107**, 1833
**Chou, C.-H.** *See* Wang, J.
**Choy, L.** *See* Klaus, S.
**Chretien, D.** *See* Maaloum, M.
**Christiano, A.** *See* Chan, Y.-m.
**Chrzanowska-Wodnicka, M. and Burridge, K.** Tyrosine phosphorylation is involved in reorganization of the actin cytoskeleton in response to serum or LPA stimulation **107**, 3643
**Cibert, C.** *See* de Pennart, H.
**Ciesielski, W. A.** *See* Paulson, J. R.
**Cimbalnik, K. A.** *See* Baas, P. W.
**Cirulli, V., Baetens, D., Rutishauser, U., Halban, P. A., Orci, L. and Rouiller, D. G.** Expression of neural cell adhesion molecule (N-CAM) in rat islets and its role in islet cell type segregation **107**, 1429
**Citi, S., Volberg, T., Bershadsky, A. D., Denisenko, N. and Geiger, B.** Cytoskeletal involvement in the modulation of cell-cell junctions by the protein kinase inhibitor H-7 **107.3**, 683
**Citi, S.** *See* Denisenko, N.
**Clark, P.** Modulation of scatter factor/hepatocyte growth factor activity by cell-substratum adhesion **107**, 1265
**Clarke, G. A. and Moss, D. J.** Identification of a novel protein from adult chicken brain that inhibits neurite outgrowth **107**, 3393
**Claudio, T.** *See* Jayawickreme, S. P.
**Clements, J. M., Newham, P., Shepherd, M., Gilbert, R., Dudgeon, T. J., Needham, L. A., Edwards, R. M., Berry, L., Brass, A. and Humphries, M. J.** Identification of a key integrin-binding sequence in VCAM-1 homologous to the LDV active site in fibronectin **107**, 2127
**Clyman, R.I., Tannenbaum, J., Chen, Y. Q., Cooper, D., Yurchenco, P. D., Kramer, R. H. and Waleh, N. S.** Ductus arteriosus smooth muscle cell migration on collagen: dependence on laminin and its receptors **107**, 1007
**Coates, P. J.** *See* Hall, P. A.
**Codogno, P.** *See* Baricault, L.
**Cohen, D. L.** *See* Langford, G. M.
**Cohen, G. M.** *See* Bicknell, G. R.
**Colenbrander, B.** *See* Gadella, B. M.
**Colomer, V., Rindler, M. J. and Lowe, A. W.** Apical plasma membrane proteins are not obligatorily stored in secretory granules in exocrine cells **107**, 2271
**Coluccio, L. M.** Differential calmodulin binding to three myosin-1 isoforms from liver **107**, 2279
**Conibear, E. and Pearse, B. M. F.** A chimera of the cytoplasmic tail of the mannose 6-phosphate/IGF-II receptor and lysozyme localizes to the TGN rather than prelysosomes where the bulk of the endogenous receptor is found **107**, 923

**Cook, P. R.** *See* Bassim Hassan, A.
**Cook, P. R.** *See* Hozak, P.
**Cook, P. R.** *See* Jackson, D. A.
**Cooper, D.** *See* Clyman, R.I.
**Cooper, D. N. W.** *See* Gu, M.
**Cork, R. J.** *See* Keating, T. J.
**Cornillon, S., Foa, C., Davoust, J., Buonavista, N., Gross, J. D. and Golstein, P.** Programmed cell death in *Dictyostelium* **107**, 2691
**Correa, H.** *See* Sesso, A.
**Corry, P. M.** *See* Liu, R. Y.
**Corson, G.** *See* Hurle, J. M.
**Cove, F. L.** *See* Flint, N.
**Cowles, C. R., Emr, S. D. and Horazdovsky, B. F.** Mutations in the *VPS45* gene, a *SEC1* homologue, result in vacuolar protein sorting defects and accumulation of membrane vesicles. **107**, 3449
**Cox, L. S.** *See* Hutchison, C. J.
**Cravchik, A., Reddy, D. and Matus, A.** Identification of a novel microtubule-binding domain in microtubule-associated protein 1A (MAP1A) **107.3**, 661
**Creanor, J. and Mitchison, J. M.** The kinetics of H1 histone kinase activation during the cell cycle of wild-type and *wee* mutants of the fission yeast *Schizosaccharomyces* pombe **107**, 1197
**Cremona, O.** *See* Niessen, C. M.
**Cremona, O.** *See* Rabino, M.
**Cressey, L. I.** *See* Gjertsen, B. T.
**Cresswell, J. E.** *See* Hunt, G.
**Critchley, D. R.** *See* Barry, S. T.
**Critchley, D. R.** *See* Belkin, A. M.
**Critchley, D. R.** *See* Wood, C. K.
**Critchlow, M. A., Bland, Y. S. and Ashhurst, D. E.** The effects of age on the response of rabbit periosteal osteoprogenitor cells to exogenous transforming growth factor-β2 **107.2**, 499
**Cross, R. A.** *See* North, A. J.
**Csaky, C.** *See* Campochiaro, P. A.
**Cullin, C.** *See* Bonneaud, N.
**Cunningham, A. C., Milne, D. S., Wilkes, J., Dark, J. H., Tetley, R. D. and Kirby, J. A.** Constitutive expression of MHC and adhesion molecules by alveolar epithelial cells (type II pneumocytes) isolated from human lung and comparison with immunocytochemical findings **107.2**, 443
**Daams, H.** *See* Niessen, C. M.
**Daban, J.-R.** *See* Bartolome, S.
**Daggett, D. F.** *See* Baker, P. L.
**Dalby, B.** *See* Rimmington, G.
**Dallai, R.** *See* Callaini, G.
**Dalton, M.** *See* Sinensky, M.
**D'Amore, P. A.** *See* RayChaudhury, A.
**D'Andrea, L., Danon, M. A., Sgourdas, G. P. and Bonder, E. M.** Identification of coelomocyte unconventional myosin and its association with in vivo particle/vesicle motility **107**, 2081
**Daniels, K.** *See* Hurle, J. M.
**Danon, M. A.** *See* D'Andrea, L.
**Dark, J. H.** *See* Cunningham, A. C.
**Das, A., Gale, M. Jr., Carter, V. and Parsons, M.** The protein phosphatase inhibitor okadaic acid induces defects in cytokinesis and organellar genome segregation in *Trypanosoma brucei* **107**, 3477
**Dautry-Varsat, A.** *See* Duprez, V.
**Dautry-Varsat, A.** *See* Subtil, A.
**David, C. N.** *See* Lopez de Haro, M. S.
**Davidson, M.** *See* Tanihara, H.
**Davis, E. C.** Immunolocalization of microfibril and microfibril-associated proteins in the subendothelial matrix of the developing mouse aorta **107.3**, 727
**Davis, P. B., Silski, C. L. and Perez, A.** cAMP does not regulate $[Ca^{2+}]_i$ in human tracheal epithelial cells in primary culture **107**, 2899
**Davoust, J.** *See* Cornillon, S.
**Davoust, J.** *See* Nicolas, F.
**de Chastellier, C.** *See* Lang, T.
**de Chastellier, C.** *See* Veras, P. S. T.
**De Corte, V., De Potter, C., Vandenberghe, D., Van Laerebeke, N., Azam, M., Roels, H., Mareel, M. and Vandekerckhove, J.** A 50-kDa protein present in conditioned medium of COLO-16 cells stimulates cell spreading and motility, and activates tyrosine phosphorylation of Neu/HER-2, in human SK-BR-3 mammary cancer cells **107.3**, 405
**de Curtis, I. and Gatti, G.** Identification of a large complex containing the integrin laminin receptor in neural retinal cells **107**, 3165
**de Faria, F. P.** *See* Sesso, A.
**de Groot, E. J.** *See* Walla, O. J.
**de Jong, L.** *See* Wansink, D. G
**de Jongh, G. J.** *See* van Ruissen, F.
**de Jongh, G. J.** *See* Alkemade, J. A. C.
**de Nechaud, B.** *See* Baricault, L.
**de Pennart, H., Cibert, C., Petzelt, C. and Maro, B.** Microtubule tracks can be detected in mouse oocytes with an antibody directed against a calcium transporter **107**, 1899
**De Potter, C.** *See* De Corte, V.
**Debec, A.** *See* Lajoie-Mazenc, I.
**Dedhar, S.** *See* Leung-Hagesteijn, C. Y.
**Denisenko, N., Burighel, P. and Citi, S.** Different effects of protein kinase inhibitors on the localization of junctional proteins at cell-cell contact sites **107**, 969
**Denisenko, N.** *See* Citi, S.
**Denoulet, P.** *See* Audebert, S.
**Denoulet, P.** *See* Baricault, L.
**Dent, J. A** *See* Cary, R. B.
**DePasquale, J. A., Samsonoff, W. A. and Gierthy, J. F.** 17-β-Estradiol induced alterations of cell-matrix and intercellular adhesions in a human mammary carcinoma cell line **107**, 1241
**Derevjanik, N.** *See* Campochiaro, P. A.
**Desbarats, L., Brar, S. K. and Siu, C.-H.** Involvement of cell-cell adhesion in the expression of the cell cohesion molecule gp80 in *Dictyostelium discoideum* **107**, 1705
**Deschatrette, J.** *See* Renault, E.
**Desjardins, M.** *See* Jahraus, A.
**Desjardins, M.** *See* Pizon, V.
**Detraves, C.** *See* Lajoie-Mazenc, I.
**Dho, S.** *See* Rochwerger, L.
**Dickson, G.** *See* Dunckley, M. G.
**Diekmann, W.** *See* Sonnichsen, B.
**Dirksen, E. R.** *See* Boitano, S.
**Dixon, S. J.** *See* Arkett, S. A.
**Dobson, M. J., Pearlman, R. E., Karaiskakis, A., Spyropoulos, B. and Moens, P. B.** Synaptonemal complex proteins: occurrence, epitope mapping and chromosome disjunction **107**, 2749
**Docherty, A. J. P.** *See* Hill, P. A.
**Doctor, R. B.** *See* Mandel, L. J.
**Doll, T.** *See* Ferralli, J.
**Domingo, A.** *See* Cary, R. B.
**Dominguez, J. E., Buendia, B., Lopez-Otin, C., Antony, C., Karsenti, E. and Avila, J.** A protein related to brain microtubule-associated protein MAP1B is a component of the mammalian centrosome **107.2**, 601
**Dooner, J.** *See* Campochiaro, P. A.
**Doskeland, S. O.** *See* Gjertsen, B. T.
**Douglas, S. E.** *See* McFadden, G. I.
**Dover, R., Jayaram, Y., Patel, K. and Chinery, R.** p53 expression in cultured cells following radiosotope labelling **107**, 1181
**Dragas-Granoic, S.** *See* Kuriyama, R.
**Driessens, M. H. E.** *See* La Riviere, G.
**Driessens, M. H. E.** *See* Meijne, A. M. L.
**Drucker, M.** *See* Holstein, S. E. H.
**D'Souza, B.** *See* Berdichevsky, F.
**Du, J.-S.** *See* Smith-Thomas, L. C.
**Du, L.** *See* Bregman, D. B.
**Duance, V. C.** *See* Wardale, R. J.
**Dudgeon, T. J.** *See* Clements, J. M.
**Dunckley, M. G., Wells, K. E., Piper, T. A., Wells, D. J. and Dickson, G.** Independent localization of dystrophin N- and C-terminal regions to the sarcolemma of *mdx* mouse myofibres in vivo **107**, 1469

**Duperray, C.** *See* Montcourrier, P.
**Dupree, P.** *See* Lutcke, A.
**Duprez, V., Smoljanovic, M., Lieb, M. and Dautry-Varsat, A.** Trafficking of interleukin 2 and transferrin in endosomal fractions of T lymphocytes **107**, 1289
**Dussaulx, E.** *See* Chantret, I.
**Eagles, P. A. M.** *See* Marya, P. K.
**Edde, B.** *See* Audebert, S.
**Edwards, R. M.** *See* Clements, J. M.
**Edwards, S. N.** *See* Tomkins, C. E.
**Egelhoff, T. T.** *See* Lee, R. J.
**Ehnholm, C.** *See* Jantti, J.
**Elenius, K. and Jalkanen, M.** Function of the syndecans - a family of cell surface proteoglycans **107**, 2975
**Eller, M. S.** *See* Hara, M.
**Eller, M. S.** *See* Tang, A.
**Ellis, I.** *See* Irwin, C. R.
**Ellis, J. A.** *See* Jackman, M. R.
**Ellisman, M. H.** *See* Verbavatz, J. M.
**Emr, S. D.** *See* Cowles, C. R.
**Endow, S. A., Chandra, R., Komma, D. J., Yamamoto, A. H. and Salmon, E. D.** Mutants of the *Drosophila* ncd microtubule motor protein cause centrosomal and spindle pole defects in mitosis **107**, 859
**Endow, S. A.** *See* Goodson, H. V.
**Engel, M.** *See* Karthikeyan, L.
**Entwistle, A.** *See* Lucassen, E.
**Ercolani, L.** *See* Bruno de Almeida, J.
**Erickson, H. P.** *See* Rettig, W. J.
**Errabulo, R., Sanders, M. A. and Salisbury, J. L.** Cloning of a cDNA encoding human centrin, an EF-hand protein of centrosomes and mitotic spindle poles **107**, 9
**Errington, R. J.** *See* Bassim Hassan, A.
**Errington, R. J.** *See* Jackson, D. A.
**Ershler, M. A.** *See* Poon, R. Y. C.
**Esmaeli-Azad, B., McCarty, J. H. and Feinstein, S. C.** Sense and antisense transfection analysis of tau function: tau influences net microtubule assembly, neurite outgrowth and neuritic stability **107**, 869
**Evain-Brion, D.** *See* Mollat, P.
**Evans, G. S.** *See* Flint, N.
**Evans, J. H.** *See* Cheshire, J. L.
**Evans, R. M.** *See* Cary, R. B.
**Evans, R. M.** *See* Sarria, A. J.
**Everts, V.** *See* van der Zee, E.
**Fagotto, F. and Maxfield, F. R.** Changes in yolk platelet pH during *Xenopus laevis* development correlate with yolk utilization. A quantitative confocal microscopy study **107**, 3325
**Faissner, A.** *See* Smith-Thomas, L. C.
**Faivre-Sarrailh, C.** *See* Had, L.
**Fajer, E. A.** *See* Steffen, W.
**Fantle, K.** *See* Sinensky, M.
**Faragher, R. G. A.** *See* Kill, I. R.
**Farnarier, C.** *See* Kaplanski, G.
**Farrell, C.** *See* Wolburg, H.
**Faura, M.** *See* Portoles, M.
**Fawcett, J. W.** *See* Smith-Thomas, L. C.
**Fechheimer, M., Ingalls, H. M., Furukawa, R. and Luna, E. J.** Association of the *Dictyostelium* 30 kDa actin bundling protein with contact regions **107**, 2393
**Feinstein, S. C.** *See* Esmaeli-Azad, B.
**Feltkamp, C. A.** *See* Meijne, A. M. L.
**Feracci, H.** *See* Andre, F.
**Ferguson, C., Lakey, A., Hutchings, A., Butcher, G. W., Leonard, K. R. and Bullard, B.** Cytoskeletal proteins of insect muscle: location of zeelins in *Lethocerus* flight and leg muscle **107**, 1115
**Ferguson, M. W. J.** *See* Shah, M.
**Fernandes, R. J.** *See* Hauselmann, H. J.
**Fernandez, A.** *See* Vandromme, M.
**Fernandez, M. C.** *See* Alche, J. D.
**Fernaud-Espinosa, I., Nieto-Sampedro, M. and Bovolenta, P.** Differential effects of glycosaminoglicans on neurite outgrowth from hippocampal and thalamic neurones **107**, 1437
**Ferralli, J., Doll, T. and Matus, A.** Sequence analysis of MAP2 function in living cells **107**, 3115
**Ferraresi, S.** *See* Niessen, C. M.
**Ferrigno, P.** *See* Mayer-Jaekel, R. E.
**Fesquet, D.** *See* Vandromme, M.
**Filippi, P.** *See* Andre, F.
**Filsell, W., Little, J. C., Stones, A. J., Granger, S. P. and Bayley, S. A.** Transfection of rat dermal papilla cells with a gene encoding a temperature-sensitive polyomavirus large T antigen generates cell lines retaining a differentiated phenotype **107**, 1761
**Finbow, M. E., Goodwin, S. F., Meagher, L., Lane, N. J., Keen, J., Findlay, J. B. C. and Kaiser, K.** Evidence that the 16 kDa proteolipid (subunit c) of the vacuolar $H^+$-ATPase and ductin from gap junctions are the same polypeptide in *Drosophila* and *Manduca*: molecular cloning of the *Vha16k* gene from *Drosophila* **107**, 1817
**Findlay, J. B. C.** *See* Finbow, M. E.
**Finlay, B. B.** *See* Garcia-del Portillo, F.
**Fishman, M. C.** *See* Strittmatter, S. M.
**Flad, M.** *See* Karthikeyan, L.
**Flint, N., Cove, F. L. and Evans, G. S.** Heparin stimulates the proliferation of intestinal epithelial cells in primary culture **107.2**, 401
**Foa, C.** *See* Cornillon, S.
**Foa, C.** *See* Kaplanski, G.
**Fok-Seang, J.** *See* Smith-Thomas, L. C.
**Footer, M. and Bretscher, A.** Brush border myosin-I microinjected into cultured cells is targeted to actin-containing surface structures **107**, 1623
**Foreman, D. M.** *See* Shah, M.
**Forer, A.** *See* Wilson, P. J.
**Forer, A.** *See* Yeo, J.-P.
**Forney, J. D.** *See* Asai, D. J.
**Forsburg, S. L. and Nurse, P.** Analysis of the *Schizosaccharomyces pombe* cyclin puc1: evidence for a role in cell cycle exit **107.3**, 601
**Forsburg, S. L. and Nurse, P.** The fission yeast *cdc19*$^+$ gene encodes a member of the MCM family of replication proteins **107**, 2779
**Foskett, J. K.** *See* Rochwerger, L.
**Fournier, A.** *See* Mollat, P.
**Fowler, V. M.** *See* Ursitti, J. A.
**Fowler, V. M.** *See* Woo, M. K.
**Fox, L. A., Sawin, K. E. and Sale, W. S.** Kinesin-related proteins in eukaryotic flagella **107**, 1545
**Frangioni, J. V., Moghal, N., Stuart-Tilley, A., Neel, B. G. and Alper, S. L.** The DNA binding domain of retinoic acid receptor β is required for ligand-dependent suppression of proliferation. Application of general purpose mammalian coexpression vectors **107**, 827
**Frankovich, J.** *See* Vig, B. K.
**Fraylich, P. E.** *See* Marya, P. K.
**Frazier, W. A.** *See* RayChaudhury, A.
**Frehel, C.** *See* Lang, T.
**Freund, J.** *See* Campochiaro, P. A.
**Fried, H. M.** *See* He, X.-P.
**Friedman, Z.** *See* Campochiaro, P. A.
**Friedmann, P. S.** *See* Carsberg, C. J.
**Fromentoux, V.** *See* Shi, D.-L.
**Fuchs, E.** *See* Chan, Y.-m.
**Fuchs, M.** *See* Winter, G.
**Fuge, H.** Unorthodox male meiosis in *Trichosia pubescens* (Sciaridae). Chromosome elimination involves polar organelle degeneration and monocentric spindles in first and second division **107**, 299
**Fujimura, H.-a.** Yeast homolog of mammalian mitogen-activated protein kinase, FUS3/DAC2 kinase, is required both for cell fusion and for $G_1$ arrest of the cell cycle and morphological changes by the *cdc37* mutation **107**, 2617
**Fujimura, T.** *See* Ohnishi, M.
**Fujiwara, S.** *See* Usuda, N.
**Fullekrug, J., Sonnichsen, B., Wunsch, U., Arseven, K., Nguyen Van, P., Soling, H.-D. and Mieskes, G.** CaBP1 a calcium binding protein

of the thioredoxin family, is a resident KDEL protein of the ER and not of the intermediate compartment **107**, 2719
**Fullekrug, J.** *See* Sonnichsen, B.
**Fuller, M. T.** *See* Hays, T. S.
**Fulton, A. B.** *See* Morris, E. J.
**Funk, M.** *See* Sewing, A.
**Furcht, L. T.** *See* Pesheva, P.
**Furukawa, R.** *See* Fechheimer, M.
**Gadella, B. M., Gadella, T. W. J. Jr, Colenbrander, B., van Golde, L. M. G. and Lopes-Cardozo, M.** Visualization and quantification of glycolipid polarity dynamics in the plasma membrane of the mammalian spermatozoon **107**, 2151
**Gadella, T. W. J. Jr** *See* Gadella, B. M.
**Gaietta, G., Redelmeier, T. E., Jackson, M. R., Tamura, R. N. and Quaranta, V.** Quantitative measurement of $\alpha_6\beta_1$ and $\alpha_6\beta_4$ integrin internalization under cross-linking conditions: a possible role for $\alpha_6$ cytoplasmic domains **107**, 3339
**Gale Jr, M., Carter, V. and Parsons, M.** Cell cycle-specific induction of an 89 kDA serine/threonine protein kinase activity in *Trypanosoma brucei* **107**, 1825
**Gale, M. Jr.** *See* Das, A.
**Garcia-del Portillo, F., Graciela Pucciarelli, M., Jefferies, W. A. and Finlay, B. B.** *Salmonella typhimurium* induces selective aggregation and internalization of host cell surface proteins during invasion of epithelial cells **107**, 2005
**Garfinkel, A.** *See* Bacallao, R.
**Garin-Chesa, P.** *See* Rettig, W. J.
**Garnett, D.** *See* Tiveron, M.-C.
**Gas, N.** *See* Azum-Gelade, M.-C.
**Gatti, G.** *See* de Curtis, I.
**Gatti, M.** *See* Cenci, G.
**Gauthier-Rouviere, C.** *See* Vandromme, M.
**Gavin, A.-C., Cavadore, J.-C. and Schorderet-Slatkine, S.** Histone H1 kinase activity, germinal vesicle breakdown and M phase entry in mouse oocytes **107**, 275
**Gedde-Dahl, M.** *See* Bremnes, B.
**Gee, K., Russell, F. and Gross, J. D.** Ammonia hypersensitivity of slugger mutants of *D. discoideum* **107.2**, 701
**Geiger, B.** *See* Citi, S.
**Gell, D.** *See* Meadows, L. A.
**Geller, H. M.** *See* Smith-Thomas, L. C.
**Gelman, D. L.** *See* Ghosh, R. N.
**Gerisch, G.** *See* Jungbluth, A.
**Ghosh, R. N., Gelman, D. L. and Maxfield, F. R.** Quantification of low density lipoprotein and transferrin endocytic sorting in HEp2 cells using confocal microscopy **107**, 2177
**Gierthy, J. F.** *See* DePasquale, J. A.
**Gilbert, R.** *See* Clements, J. M.
**Gilchrest, B. A.** *See* Hara, M.
**Gilchrest, B. A.** *See* Tang, A.
**Gill, D. R.** *See* Sardini, A.
**Gillard, B. K., Thurmon, L. T., Harrell, R. G., Capetanaki, Y., Saito, M., Yu, R. K. and Marcus, D. M.** Biosynthesis of glycosphingolipids is reduced in the absence of a vimentin intermediate filament network. **107**, 3545
**Gilson, P. R.** *See* McFadden, G. I.
**Gimona, M.** *See* North, A. J.
**Girard, J.** *See* Guillet-Deniau, I.
**Gjertsen, B. T., Cressey, L. I., Ruchaud, S., Houge, G., Lanotte, M. and Doskeland, S. O.** Multiple apoptotic death types triggered through activation of separate pathways by cAMP and inhibitors of protein phosphatases in one (IPC leukemia) cell line **107**, 3363
**Glover, D. M.** *See* Mayer-Jaekel, R. E.
**Glover, D. M.** *See* Rimmington, G.
**Gluck, U. and Ben-Ze'ev, A.** Modulation of α-actinin levels affects cell motility and confers tumorigenicity on 3T3 cells **107**, 1773
**Goldberg, M. L.** *See* Williams, B. C.
**Gollnick, F.** *See* Schlatterer, C.
**Golstein, P.** *See* Cornillon, S.
**Golsteyn, R. M., Schultz, S. J., Bartek, J,. Ziemiecki, A,. Ried, T. and Nigg, E. A.** Cell cycle analysis and chromosomal localization of human Plk1, a putative homologue of the mitotic kinases *Drosophila* polo and *Saccharomyces cerevisiae* Cdc5 **107**, 1509
**Gonatas, N.** *See* Thomas, J.-L.
**Gonatas, N. K.** *See* Johnston, P. A.
**Gonzalez Agosti, C.** *See* Winckler, B.
**Goodson, H. V., Kang, S. J. and Endow, S. A.** Molecular phylogeny of the kinesin family of microtubule motor proteins **107**, 1875
**Goodwin, S. F.** *See* Finbow, M. E.
**Gordon, S.** *See* Hopkinson-Woolley, J.
**Gosch, P.** *See* Hays, T. S.
**Gotow, T., Tanaka, T., Nakamura, Y. and Takeda, M.** Dephosphorylation of the largest neurofilament subunit protein influences the structure of crossbridges in reassembled neurofilaments **107**, 1949
**Gould, A. P.** *See* Meadows, L. A.
**Graciela Pucciarelli, M.** *See* Garcia-del Portillo, F.
**Granger, S. P.** *See* Filsell, W.
**Grant, M. E.** *See* Tuckwell, D. S.
**Grassi, J.** *See* Mollat, P.
**Green, C. R.** *See* Rosendaal, M.
**Green, W. N.** *See* Jayawickreme, S. P.
**Grey, A. M.** *See* Irwin, C. R.
**Griffiths, G.** *See* Jahraus, A.
**Grissom, P.** *See* Hays, T. S.
**Gros, D.** *See* Aghion, J.
**Gros, F.** *See* Audebert, S.
**Gross, J. D.** *See* Cornillon, S.
**Gross, J. D.** *See* Gee, K.
**Grosveld, F.** *See* Tiveron, M.-C.
**Gschmeissner, S. E.** *See* Lu, Q.-L.
**Gu, M., Wang, W., Song, W. K., Cooper, D. N. W. and Kaufman, S. J.** Selective modulation of the interaction of $\alpha_7\beta_1$ integrin with fibronectin and laminin by L-14 lectin during skeletal muscle differentiation **107**, 175
**Guerri, C.** *See* Portoles, M.
**Gueth-Hallonet, C.** *See* Aghion, J.
**Gueth-Hallonet, C.** *See* Lajoie-Mazenc, I.
**Guilhou, J.-J.** *See* Moles, J.-P.
**Guillet-Deniau, I., Leturque, A. and Girard, J.** Expression and cellular localization of glucose transporters (GLUT1, GLUT3, GLUT4) during differentiation of myogenic cells isolated from rat foetuses **107.3**, 487
**Gundersen, G. G., Kim, I. and Chapin, C. J.** Induction of stable microtubules in 3T3 fibroblasts by TGF-β and serum **107.3**, 645
**Gundersen, G. G.** *See* Nagasaki, T.
**Gusterson, B. A.** *See* Atherton, A. J.
**Haarer, B. K., Petzold, A., Lillie, S. H. and Brown, S. S.** Identification of *MYO4*, a second class V mysoin gene in yeast **107**, 1055
**Haas, M. A** *See* Johnson, K. A.
**Hackett, S. F.** *See* Campochiaro, P. A.
**Had, L., Faivre-Sarrailh, C., Legrand, Ch., Mery, J., Brugidou, J. and Rabie, A.** Tropomyosin isoforms in rat neurons: the different developmental profiles and distributions of TM-4 and TMBr-3 are consistent with different functions **107**, 2963
**Haggerty, J. G.** *See* Milstone, L. M.
**Halban, P. A.** *See* Cirulli, V.
**Hall, D.** *See* Savage, C.
**Hall, P. A., Coates, P. J., Ansari, B. and Hopwood, D.** Regulation of cell number in the mammalian gastrointestinal tract: the importance of apoptosis **107**, 3569
**Hanby, A. M.** *See* Lu, Q.-L.
**Hanover, J. A.** *See* Buss, F.
**Hanzel, D. K.** *See* Wagner, M.
**Hara, M., Yaar, M., Tang, A., Eller, M. S., Reenstra, W. and Gilchrest, B. A.** Role of integrins in melanocyte attachment and dendricity **107**, 2739
**Hara, M.** *See* Tang, A.
**Harrell, R. G.** *See* Gillard, B. K.
**Harris, A.** *See* Chambers, J. A.
**Harris, E., Watterson, D. M. and Thorner, J.** Functional consequences

in yeast of single-residue alterations in a consensus calmodulin **107**, 3235
**Harrison, H. H.** *See* Ma, A. S. P.
**Hassan, A. B.** *See* Jackson, D. A.
**Hasson, T.** *See* Heintzelman, M. B.
**Hastie, N. D.** *See* McManus, J.
**Hatase, O.** *See* Ohnishi, M.
**Hatzfeld, M. and Burba, M.** Function of type I and type II keratin head domains: their role in dimer, tetramer and filament formation **107**, 1959
**Hatzfeld, M., Kristjansson, G. I., Plessmann, U. and Weber, K.** Band 6 protein, a major constituent of desmosomes from stratified epithelia, is a novel member of the *armadillo* multigene family **107**, 2259
**Hauselmann, H. J., Fernandes, R. J., Mok, S. S., Schmid, T. M., Block, J. A., Aydelotte, M. B., Kuettner, K. E. and Thonar, E. J.-M. A.** Phenotypic stability of bovine articular chondrocytes after long-term culture in alginate beads **107**, 17
**Hayakawa, T., Yamashita, K., Ohuchi, E. and Shinagawa, A.** Cell growth-promoting activity of tissue inhibitor of metalloproteinases-2 (TIMP-2) **107**, 2373
**Hayashi, S.** *See* Usuda, N.
**Hays, T. S., Porter, M. E., McGrail, M., Grissom, P., Gosch, P., Fuller, M. T. and McIntosh, J. R.** A cytoplasmic dynein motor in *Drosophila*: identification and localization during embryogenesis **107**, 1557
**He, X.-P., Bataille, N. and Fried, H. M.** Nuclear export of signal recognition particle RNA is a facilitated process that involves the *Alu* sequence domain **107**, 903
**Heath, I. B.** *See* Levina, N. N.
**Heimark, R. L.** *See* Tanihara, H.
**Heintzelman, M. B., Hasson, T. and Mooseker, M. S.** Multiple unconventional myosin domains of the intestinal brush border cytoskeleton **107**, 3535
**Hellio, R.** *See* Lang, T.
**Hemar, A.** *See* Subtil, A.
**Hembry, R. M.** *See* Hill, P. A.
**Hemmings, B. A.** *See* Mayer-Jaekel, R. E.
**Henderer, J.** *See* Campochiaro, P. A.
**Henderson, C. G., Tucker, J. B., Chaplin, M. A., Mackie, J. B., Maidment, S. N., Mogensen, M. M. and Paton, C. C.** Reorganization of the centrosome and associated microtubules during the morphogenesis of a mouse cochlear epithelial cell **107.2**, 589
**Henderson, K.** *See* Kirkland, S. C.
**Hennekes, H. and Nigg, E. A.** The role of isoprenylation in membrane attachment of nuclear lamins. A single point mutation prevents proteolytic cleavage of the lamin A precursor and confers membrane binding properties **107**, 1019
**Hepler, P. K.** *See* Hush, J. M.
**Hepler, P. K.** *See* Meindl, U.
**Hertzberg, E. L.** *See* Neveu, M. J.
**Herz, J.** *See* Willnow, T. E.
**Higgins, C. F.** *See* Sardini, A.
**Hill, P. A., Murphy, G., Docherty, A. J. P., Hembry, R. M., Millican, T. A., Reynolds, J. J. and Meikle, M. C.** The effects of selective inhibitors of matrix metalloproteinases (MMPs) on bone resorption and the identification of MMPs and TIMP-1 in isolated osteoclasts **107**, 3055
**Himelstein, B. P., Canete-Soler, R., Bernhard, E. J. and Muschel, R. J.** Induction of fibroblast 92 kDa gelatinase/type IV collagenase expression by direct contact with metastatic tumor cells **107.2**, 477
**Himpens, B.** *See* Carmeliet, G.
**Hirobe, T.** Effects of activators (SC-9 and OAG) and inhibitors (staurosporine and H-7) of protein kinase C on the proliferation of mouse epidermal melanoblasts in serum-free culture **107**, 1679
**Hirohashi, S.** *See* Tang, A.
**Hirst, E. M. A.** *See* Tiveron, M.-C.
**Hoeben, K.** *See* van der Zee, E.
**Hoh, J. H. and Schoenenberger, C.-A.** Surface morphology and mechanical properties of MDCK monolayers by atomic force microscopy **107**, 1105
**Hola, M., Castleden, S., Howard, M. and Brooks, R. F.** Initiation of DNA synthesis by nuclei from scrape-ruptured quiescent mammalian cells in high-speed supernatants of *Xenopus* egg extracts **107**, 3045
**Hollingsworth, M. A.** *See* Chambers, J. A.
**Holness, C. L. and Simmons, D. L.** Structural motifs for recognition and adhesion in members of the immunoglobulin superfamily **107**, 2065
**Holstein, S. E. H., Drucker, M. and Robinson, D. G.** Identification of a β-type adaptin in plant clathrin-coated vesicles **107**, 945
**Holtzman, E. J.** *See* Bruno de Almeida, J.
**Honing, S., Kreimer, G., Robenek, H. and Jockusch, B. M.** Receptor-mediated endocytosis is sensitive to antibodies against the uncoating ATPase (hsc70) **107**, 1185
**Hopkinson-Woolley, J., Hughes, D., Gordon, S. and Martin, P.** Macrophage recruitment during limb development and wound healing in the embryonic and foetal mouse **107**, 1159
**Hopwood, D.** *See* Hall, P. A.
**Horazdovsky, B. F.** *See* Cowles, C. R.
**Horber, J. K. H.** *See* Maaloum, M.
**Hoschuetzky, H.** *See* Aberle, H.
**Houge, G.** *See* Gjertsen, B. T.
**Hough-Monroe, L.** *See* Milstone, L. M.
**Houtsmuller, A. B.** *See* Montijn, M. B.
**Howard, M.** *See* Hola, M.
**Howell, M.** *See* Poon, R. Y. C.
**Hozak, P., Cook, P. R., Schofer, C., Mosgoller, W. and Wachtler, F.** Site of transcription of ribosomal RNA and intranucleolar structure in HeLa cells **107.2**, 639
**Hozak, P., Jackson, D. A. and Cook, P. R.** Replication factories and nuclear bodies: the ultrastructural characterization of replication sites during the cell cycle **107**, 2191
**Huang, Y.** *See* Simonson, G. D.
**Hubbard, A. L.** *See* Shanks, M. R.
**Huesca, M.** *See* Olink-Coux, M.
**Hughes, D.** *See* Hopkinson-Woolley, J.
**Hughes, D. A., Yabana, N. and Yamamoto, M.** Transcriptional regulation of a Ras nucleotide-exchange factor gene by extracellular signals in fission yeast **107**, 3635
**Hughes, S. M.** *See* Cho, M.
**Hui, C.-c.** *See* Misener, V. L.
**Hully, J. R.** *See* Neveu, M. J.
**Humbel, B.** *See* Jungbluth, A.
**Humphries, M. J.** *See* Clements, J. M.
**Humphries, M. J.** *See* Tuckwell, D. S.
**Hunt, G., Todd, C., Cresswell, J. E. and Thody, A. J.** α-Melanocyte stimulating hormone and its analogue $Nle^4DPhe^7$α-MSH affect morphology, tyrosinase activity and melanogenesis in cultured human melanocytes **107**, 205
**Hunt, T.** *See* Poon, R. Y. C.
**Hunter, I., Lindh, M. and Obrink, B.** Differential regulation of C-CAM isoforms in epithelial cells **107**, 1205
**Hurle, J. M., Corson, G., Daniels, K., Reiter, R. S., Sakai, L. Y. and Solursh, M.** Elastin exhibits a distinctive temporal and spatial pattern of distribution in the developing chick limb in association with the establishment of the cartilaginous skeleton **107**, 2623
**Hush, J. M., Wadsworth, P., Callaham, D. A. and Hepler, P. K.** Quantification of microtubule dynamics in living plant cells using fluorescence redistribution after photobleaching **107**, 775
**Hutcheson, A. M.** *See* Ralton, J. E.
**Hutchings, A.** *See* Ferguson, C.
**Hutchison, C. J., Bridger, J. M., Cox, L.S. and Kill, I. R.** Weaving a pattern from disparate threads: lamin function in nuclear assembly and DNA replication **107**, 3259
**Hyde, S. C.** *See* Sardini, A.
**Hynes, N. E.** *See* Chammas, R.
**Imanaka-Yoshida, K.** *See* Yoshida, T.
**Ingalls, H. M.** *See* Fechheimer, M.
**Ioshii, S. O.** *See* Yoshida, T.
**Irwin, C. R., Picardo, M., Ellis, I., Sloan, P., Grey, A. M., McGurk, M. and Schor, S. L.** Inter- and intra-site heterogeneity in the

expression of fetal-like phenotypic characteristics by gingival fibroblasts: potential significance for wound healing **107**, 1333
**Isacke, C. M.** The role of the cytoplasmic domain in regulating CD44 function **107**, 2353
**Ishida, T.** *See* Ohnishi, M.
**Isomura, H.** *See* Kojima, T.
**Itano, T.** *See* Ohnishi, M.
**Ittel, M.-E.** *See* Misener, V. L.
**Iwamura, E. S. M.** *See* Sesso, A.
**Iwanij, V.** *See* Simonson, G. D.
**Izutsu, K.** *See* Yoshida, T.
**Jackman, M. R., Shurety, W., Ellis, J. A. and Luzio, J. P.** Inhibition of apical but not basolateral endocytosis of ricin and folate in Caco-2 cells by cytochalasin D **107**, 2547
**Jackson, D. A., Balajee, A. S., Mullenders, L. and Cook, P. R.** Sites in human nuclei where DNA damaged by ultraviolet light is repaired: visualization and localization relative to the nucleoskeleton **107**, 1745
**Jackson, D. A., Hassan, A. B. , Errington, R. J. and Cook, P. R.** Sites in human nuclei where damage induced by ultraviolet light is repaired: localization relative to transcription sites and concentrations of proliferating cell nuclear antigen and the tumour suppressor protein, p53 **107**, 1753
**Jackson, D. A.** *See* Bassim Hassan, A.
**Jackson, D. A.** *See* Hozak, P.
**Jackson, M. R.** *See* Gaietta, G.
**Jackson, P.** *See* Wood, C. K.
**Jahraus, A., Storrie, B., Griffiths, G. and Desjardins, M.** Evidence for retrograde fusion between terminal lysosomes and the prelysosomal/late endosome compartment **107**, 145
**Jalkanen, M.** *See* Elenius, K.
**Jalkanen, M.** *See* Miettinen, H. M.
**Jamilena, M., Ruiz Rejon, C. and Ruiz Rejon, M.** A molecular analysis of the origin of the *Crepis capillaris* B chromosome **107.3**, 703
**Jani, H.** *See* Tiveron, M.-C.
**Jantti, J., Keranen, S., Toikkanen, J., Kuismanen, E., Ehnholm, C., Soderlund, H. and Olkkonen, V. M.** Membrane insertion and intracellular transport of yeast syntaxin Sso2p in mammalian cells **107**, 3623
**Jayaram, Y.** *See* Dover, R.
**Jayawickreme, S. P., Green, W. N. and Claudio, T.** Cyclic AMP-regulated AChR assembly is independent of AChR subunit phosphorylation by PKA **107**, 1641
**Jefferies, W. A.** *See* Garcia-del Portillo, F.
**Jensen, P. J.** *See* Lewis, J. E.
**Jiang, B., Liou, G. I., Behzadian, M. A. and Caldwell, R. B.** Astrocytes modulate retinal vasculogenesis: effects on fibronectin expression **107**, 2499
**Job, D.** *See* Paturle-Lafanechere, L.
**Jockusch, B. M.** *See* Honing, S.
**Jockusch, B. M.** *See* Temm-Grove, C. J.
**Johnson, D.** *See* Langford, G. M.
**Johnson, K. A., Haas, M. A and Rosenbaum, J. L.** Localization of a kinesin-related protein to the central pair apparatus of the *Chlamydomonas reinhardtii* flagellum **107**, 1551
**Johnson, K. R.** *See* Lewis, J. E.
**Johnson, M.** *See* Campochiaro, P. A.
**Johnston, P. A., Stieber, A. and Gonatas, N. K.** A hypothesis on the traffic of MG160, a medial Golgi sialoglycroprotein, from the *trans*-Golgi network to the Golgi cisternae **107.3**, 529
**Joly, E. C., Tremblay, E., Tanguay, R. M., Wu, Y. and Bibor-Hardy, V.** TRiC-P5, a novel TCP1-related protein, is localized in the cytoplasm and in the nuclear matrix **107**, 2851
**Jongstra, J.** *See* Misener, V. L.
**Jose Iborra, F.** *See* Portoles, M.
**Jouanneau, J.** *See* Bellusci, S.
**Jovin, T. M.** *See* Pietrasanta, L. I.
**Joyner, A. L.** *See* Misener, V. L.
**Julian, M.** *See* Lajoie-Mazenc, I.
**Jungbluth, A., von Arnim, V., Biegelmann, E., Humbel, B., Schweiger, A. and Gerisch, G.** Strong increase in the tyrosine phosphorylation of actin upon inhibition of oxidative phosphorylation: correlation with reversible rearrangements in the actin skeleton of *Dictyostelium* cells **107**, 117
**Just, I., Richter, H.-P., Prepens, U., von Eichel-Streiber, C. and Aktories, K.** Probing the action of *Clostridium difficile* toxin B in *Xenopus laevis* oocytes **107**, 1653
**Kaiser, K.** *See* Finbow, M. E.
**Kambach, C. and Mattaj, I. W.** Nuclear transport of the U2 snRNP-specific U2B″ protein is mediated by both direct and indirect signalling mechanisms **107**, 1807
**Kandl, K. A.** *See* Asai, D. J.
**Kane, R.** *See* Walker, G. R.
**Kang, S. J.** *See* Goodson, H. V.
**Kaplanski, G., Farnarier, C., Benoliel, A.-M., Foa, C., Kaplanski, S. and Bongrand, P.** A novel role for E- and P-selectins: shape control of endothelial cell monolayers **107**, 2449
**Kaplanski, S.** *See* Kaplanski, G.
**Karaiskakis, A.** *See* Dobson, M. J.
**Karsch-Mizrachi, I.** *See* Cho, M.
**Karsenti, E.** *See* Dominguez, J. E.
**Karsenti, E.** *See* Maaloum, M.
**Karthikeyan, L., Flad, M., Engel, M., Meyer-Puttlitz, B., Margolis, R. U. and Margolis, R. K.** Immunocytochemical and in situ hybridization studies of the heparan sulfate proteoglycan, glypican, in nervous tissue **107**, 3213
**Kaufman, S. J.** *See* Gu, M.
**Kaufmann, N.** *See* Bush, J.
**Kawashima, A.** *See* Takeuchi, K.
**Kaye, P. M.** *See* Lang, T.
**Kearsey, S. E.** *See* Todorov, I. T.
**Keating, H. H.** *See* Asai, D. J.
**Keating, T. J., Cork, R. J. and Robinson, K. R.** Intracellular free calcium oscillations in normal and cleavage-blocked embryos and artificially activated eggs of *Xenopus laevis* **107**, 2229
**Kedinger, M.** *See* Simon-Assmann, P.
**Keen, J.** *See* Finbow, M. E.
**Keller, L. C.** *See* Tuan, T.-L.
**Keller, L. R.** *See* Cheshire, J. L.
**Kemler, R.** *See* Aberle, H.
**Kempenaar, J. A.** *See* Alkemade, J. A. C.
**Kendall, D.** *See* Schoenenberger, C.-A.
**Kent, H.** *See* Buss, F.
**Keranen, S.** *See* Jantti, J.
**Khodjakov, A.** *See* Kuriyama, R.
**Kido, M.** *See* Tanihara, H.
**Kill, I. R., Faragher, R. G. A., Lawrence, K. and Shall, S.** The expression of proliferation-dependent antigens during the lifespan of normal and progeroid human fibroblast in culture **107.2**, 571
**Kill, I. R.** *See* Hutchison, C. J.
**Kim, I.** *See* Gundersen, G. G.
**Kimata, K.** *See* Yamagata, M.
**King, K. L., Stewart, M. and Roberts, T. M.** Supramolecular assemblies of the *Ascaris suum* major sperm protein (MSP) associated with amoeboid cell motility **107**, 2941
**King, S. M.** *See* Wilkerson, C. G.
**Kirby, J. A.** *See* Cunningham, A. C.
**Kirkland, S. C. and Henderson, K.** Endocrine and mucous differentiation by a cloned human rectal adenocarcinoma cell line (HRA-19) in vitro: inhibition by TGF-$\beta_1$ **107**, 1041
**Kishimoto, T.** *See* Ohsumi, K.
**Klagsbrun, M.** *See* Mesri, E. A.
**Klaus, S., Choy, L., Champigny, O., Cassard-Doulcier, A. M., Ross, S., Spiegelman, B. and Ricquier, D.** Characterization of the novel brown adipocyte cell line HIB 1B. Adrenergic pathways involved in regulation of uncoupling protein gene expression **107**, 313
**Klein Gebbinck, J. W. T. M.** *See* La Riviere, G.
**Kleinman, H. K.** *See* Tozeren, A.
**Klimanskaya, I. V.** *See* Belkin, A. M.
**Klionsky, D. J.** *See* Morano, K. A.

**Klymkowsky, M. W.** *See* Cary, R. B.
**Kniesel, U.** *See* Wolburg, H.
**Knoll, G.** *See* Schlatterer, C.
**Kobayashi, H.** *See* Kuriyama, R.
**Kobori, H., Toda, T., Yaguchi, H., Toya, M., Yanagida, M. and Osumi, M.** Fission yeast protein kinase C gene homologues are required for protoplast regeneration: a functional link between cell wall formation and cell shape control **107**, 1131
**Koch, E. A., Spitzer, R. H., Pithawalla, R. B. and Parry, D. A. D.** An unusual intermediate filament subunit from the cytoskeletal biopolymer released extracellularly into seawater by the primitive hagfish (*Eptatretus stouti*) **107**, 3133
**Koch, M.** *See* Walchli, C.
**Koch-Brandt, C.** *See* Appel, D.
**Kojima, T., Sawada, N., Oyamada, M., Chiba, H., Isomura, H. and Mori, M.** Rapid appearance of connexin 26-positive gap junctions in centrilobular hepatocytes without induction of mRNA and protein synthesis in isolated perfused liver of female rat. **107**, 3579
**Komma, D. J.** *See* Endow, S. A.
**Konishi, R.** *See* Ohnishi, M.
**Kosik, K. S.** *See* Baas, P. W.
**Koteliansky, V. E.** *See* Belkin, A. M.
**Koulakoff, A.** *See* Audebert, S.
**Krajewski, S.** *See* Lu, Q.-L.
**Kramer, I. M., Patel, R., Spargo, D. and Riley, P.** Initiation of growth inhibition by TGFβ1 is unlikely to occur in $G_1$ **107**, 3469
**Kramer, R. H.** *See* Clyman, R.I.
**Krauß, B.** *See* Wolburg, H.
**Kreimer, G.** *See* Honing, S.
**Kreis, T. E.** *See* Pierre, P.
**Kreis, T. E.** *See* Storrie, B.
**Kreitman, R. J.** *See* Mesri, E. A.
**Kristjansson, G. I.** *See* Hatzfeld, M.
**Kubota, K. and Nakazato, K.** The role of duplication of tumour-derived chromosome 15 carrying the rearranged *pvt*-1 gene in the transformed phenotype of YACUT T-cell lymphoma × G4 T-cell line somatic cell hybrids in dictating the terminal differentiation program of the parental G4 cell **107**, 2761
**Kucherlapati, R. S.** *See* Chan, Y.-m.
**Kuettner, K. E.** *See* Hauselmann, H. J.
**Kugelman, L. C.** *See* Milstone, L. M.
**Kuismanen, E.** *See* Jantti, J.
**Kulkarni, G. V. and McCulloch, C. A. G.** Serum deprivation induces apoptotic cell death in a subset of Balb/c 3T3 fibroblasts **107**, 1169
**Kupfer, A.** *See* Sinensky, M.
**Kuriyama, R., Dragas-Granoic, S., Maekawa, T., Vassilev, A., Khodjakov, A. and Kobayashi, H.** Heterogeneity and microtubule interaction of the CHO1 antigen, a mitosis-specific kinesin-like protein. Analysis of subdomains expressed in insect sf9 cells **107**, 3485
**Kuszak, J. R.** *See* Bassnett, S.
**Kuznetsov, S. A.** *See* Langford, G. M.
**La Riviere, G., Klein Gebbinck, J. W. T. M., Driessens, M. H. E. and Roos, E.** Pertussis toxin inhibition of T-cell hybridoma invasion is reversed by manganese-induced activation of LFA-1 **107.3**, 551
**La Riviere, G.** *See* Meijne, A. M. L.
**Lacroute, F.** *See* Bonneaud, N.
**Lajoie-Mazenc, I., Tollon, Y., Detraves, C., Julian, M., Moisand, A., Gueth-Hallonet, C., Debec, A., Salles-Passador, I., Puget, A., Mazarguil, H., Raynaud-Messina, B. and Wright, M.** Recruitment of antigenic gamma-tubulin during mitosis in animal cells: presence of gamma-tubulin in the mitotic spindle **107**, 2825
**Lakey, A.** *See* Ferguson, C.
**Lamb, N.** *See* Vandromme, M.
**Lando, Z.** *See* North, A. J.
**Lane, N. J.** *See* Finbow, M. E.
**Lang, T., de Chastellier, C., Frehel, C., Hellio, R., Metezeau, P., Leao, S. de S. and Antoine, J.-C.** Distribution of MHC class 1 and of MHC Class II molecules in macrophages infected with *Leishmania amazonensis* **107**, 69
**Lang, T., Hellio, R., Kaye, P. M. and Antoine, J.-C.** *Leishmania donovani*-infected macrophages: characterization of the parasitophorous vacuole and potential role of this organelle in antigen presention **107**, 2137
**Langford, G. M., Kuznetsov, S. A., Johnson, D., Cohen, D. L. and Weiss, D. G.** Movement of axoplasmic organelles on actin filaments assembled on acrosomal processes: evidence for a barbed-end-directed organelle motor **107**, 2291
**Lanotte, M.** *See* Gjertsen, B. T.
**Larkin, J. M.** *See* Marks, D. L.
**Larnier, C.** *See* Romero, C.
**LaRochelle, W.** *See* Campochiaro, P. A.
**Latour, D.** *See* Vig, B. K.
**Launay, C.** *See* Shi, D.-L.
**Law, D. J., Allen, D. L. and Tidball, J. G.** Talin, vinculin and DRP (utrophin) concentrations are increased at *mdx* myotendinous junctions following onset of necrosis **107**, 1477
**Lawrence, A. J.** *See* Chettibi, S.
**Lawrence, K.** *See* Kill, I. R.
**Lawrence, P. D.** *See* Chettibi, S.
**Le Borgne, R.** *See* Andreoli, C.
**Leao, S. de S.** *See* Lang, T.
**Leberquier, C.** *See* Simon-Assmann, P.
**LeBlanc-Straceski, J.** *See* Chan, Y.-m.
**Lecoq, O.** *See* Shanks, M. R.
**Lecureux, L. W. and Wattenberg, B. W.** The regulated degradation of a 3-hydroxy-3-methylglutaryl-coenzyme A reductase reporter construct occurs in the endoplasmic reticulum **107**, 2635
**Lee, G.** *See* Leger, J. G.
**Lee, R. J., Egelhoff, T. T. and Spudich, J. A.** Molecular genetic truncation analysis of filament assembly and phosphorylation domains of *Dictyostelium* myosin heavy chain **107**, 2875
**Lee, Y. J.** *See* Liu, R. Y.
**Leger, J. G., Brandt, R. and Lee, G.** Identification of tau protein regions required for process formation in PC12 cells **107**, 3403
**Leggiadro, C.** *See* Wilson, P. J.
**Legrand, Ch.** *See* Had, L.
**Leigh, I. M.** *See* Moles, J.-P.
**Leinwand, L. A.** *See* Cho, M.
**Leonard, K. R.** *See* Ferguson, C.
**Leplatois, P.** *See* Paris, J.
**Leturque, A.** *See* Guillet-Deniau, I.
**Leung-Hagesteijn, C. Y., Milankov, K., Michalak, M., Wilkins, J. and Dedhar, S.** Cell attachment to extracellular matrix substrates is inhibited upon downregulation of expression of calreticulin, an intracellular integrin α-subunit-binding protein **107.3**, 589
**Levi, M.** *See* Sparvoli, E.
**Levina, N. N., Lew, R. R. and Heath, I. B.** Cytoskeletal regulation of ion channel distribution in the tip-growing organism *Saprolegnia ferax* **107**, 127
**Lew, R. R.** *See* Levina, N. N.
**Lewis, J. E., Jensen, P. J., Johnson, K. R. and Wheelock, M. J.** E-cadherin mediates adherens junction organization through protein kinase C **107**, 3615
**Li, Y.** *See* Bregman, D. B.
**Li, Y. Q., Roberts, S. A., Paulus, U., Loeffler, M. and Potten, C. S.** The crypt cycle in mouse small intestinal epithelium **107**, 3271
**Liao, G.** *See* Nagasaki, T.
**Lieb, M.** *See* Duprez, V.
**Lieber, G. J.** *See* Sarria, A. J.
**Liem, R. K. H.** *See* Chen, W.-J.
**Lilley, K.** *See* Belkin, A. M.
**Lillie, S. H.** *See* Haarer, B. K.
**Linck, R. W.** *See* Steffen, W.
**Lindh, M.** *See* Hunter, I.
**Liou, G. I.** *See* Jiang, B.
**Little, J. C.** *See* Filsell, W.
**Liu, G. and Newell, P. C.** Regulation of myosin regulatory light chain phosphorylation via cyclic GMP during chemotaxis of *Dictyostelium* **107**, 1737

**Liu, R. Y., Corry, P. M. and Lee, Y. J.** Regulation of chemical stress-induced *hsp70* gene expression in murine L929 cells **107**, 2209
**Loeffler, M.** *See* Li, Y. Q.
**Lopes-Cardozo, M.** *See* Gadella, B. M.
**Lopez de Haro, M. S., Salgado, L. M., David, C. N. and Bosch, T. C. G.** *Hydra* tropomyosin TROP1 is expressed in head-specific epithelial cells and is a major component of the cytoskeletal structure that anchors nematocytes **107**, 1403
**Lopez-Otin, C.** *See* Dominguez, J. E.
**Lowe, A. W.** *See* Colomer, V.
**Lu, P.-J.** *See* Lu, Q.-L.
**Lu, Q.-L., Hanby, A. M., Nasser Hajibagheri, M. A., Gschmeissner, S. E., Lu, P.-J., Taylor-Papadimitriou, J., Krajewski, S. and Wright, N. A.** Bcl-2 protein localizes to the chromosomes of mitotic nuclei and is correlated with the cell cycle in cultured epithelial cell lines **107.2**, 363
**Lu, X.** *See* Ralton, J. E.
**Lucassen, E., Andres, A.-C., Reichmann, E., Entwistle, A. and Noble, M.** The effects of the *neuN* and *neuT* genes on differentiation and transformation of mammary epithelial cells **107**, 2919
**Lucibello, F. C.** *See* Wick, M.
**Lukashev, M. E.** *See* Belkin, A. M.
**Luna, E. J.** *See* Fechheimer, M.
**Luo, Q., Michaelis, C. and Weeks, G.** Overexpression of a truncated cyclin B gene arrests *Dictyostelium* cell division during mitosis **107**, 3105
**Lutcke, A., Parton, R. G., Murphy, C., Olkkonen, V. M., Dupree, P., Valencia, A., Simons, K. and Zerial, M.** Cloning and subcellular localization of novel rab proteins reveals polarized and cell type-specific expression. **107**, 3437
**Luzio, J. P.** *See* Jackman, M. R.
**Ma, A. S. P., Bell, D. J., Mittal, A. A. and Harrison, H. H.** Immunocytochemical detection of extracellular annexin II in cultured human skin keratinocytes and isolation of annexin II isoforms enriched in the extracellular pool **107**, 1973
**Ma, T.** *See* Verbavatz, J. M.
**Maaloum, M., Chretien, D., Karsenti, E. and Horber, J. K. H.** Approaching microtubule structure with the scanning tunneling microscope (STM) **107**, 3127
**Mabuchi, I.** Cleavage furrow: timing of emergence of contractile ring actin filaments and establishment of the contractile ring by filament bundling in sea urchin eggs **107**, 1853
**Mabuchi, I.** *See* Yokota, E.
**Mackie, J. B.** *See* Henderson, C. G.
**Madsen, T.** *See* Bremnes, B.
**Maekawa, T.** *See* Kuriyama, R.
**Magendantz, M.** *See* Winckler, B.
**Maidment, S. N.** *See* Henderson, C. G.
**Maillet, C. M. and Shur, B. D.** Perturbing cell surface β-(1,4)-galactosyltransferase on F9 embryonal carcinoma cells arrests cell growth and induces laminin synthesis **107**, 1713
**Mains, R. E.** *See* Milgram, S. L.
**Malapitan, I. A.** *See* Misener, V. L.
**Mandel, L. J., Doctor, R. B. and Bacallao, R.** ATP depletion: a novel method to study junctional properties in epithelial tissues. II. Internalization of $Na^+$,$K^+$-ATPase and E-cadherin **107**, 3315
**Mandel, L. J.** *See* Bacallao, R.
**Manders, E. E. M.** *See* Wansink, D. G
**Mangeat, P.** *See* Andreoli, C.
**Mangeat, P. H.** *See* Montcourrier, P.
**Manier, M.** *See* Paturle-Lafanechere, L.
**Marchisio, P. C.** *See* Niessen, C. M.
**Marchisio, P. C.** *See* Rabino, M.
**Marcus, D. M.** *See* Gillard, B. K.
**Mareel, M.** *See* De Corte, V.
**Margolis, R. K.** *See* Karthikeyan, L.
**Margolis, R. U.** *See* Karthikeyan, L.
**Marks, D. L., Larkin, J. M. and McNiven, M. A.** Association of kinesin with the Golgi apparatus in rat hepatocytes **107**, 2417
**Maro, B.** *See* Aghion, J.
**Martin, M.** *See* Andreoli, C.
**Martin, P.** *See* Hopkinson-Woolley, J.
**Marya, P. K., Syed, Z., Fraylich, P. E. and Eagles, P. A. M.** Kinesin and tau bind to distinct sites on microtubules **107**, 339
**Masaki, T.** *See* Ohnishi, M.
**Matlin, K. S.** *See* Schoenenberger, C.-A.
**Matsui, H.** *See* Ohnishi, M.
**Matsuoka, Y., Takechi, S., Nakayama, T. and Yoneda, Y.** Exogenous histone H1 injection into mitotic cells disrupts synchronous progression of mitotic events by delaying chromosome decondensation **107.3**, 693
**Mattaj, I. W.** *See* Kambach, C.
**Mattei, D.** *See* Veras, P. S. T.
**Matus, A.** *See* Cravchik, A.
**Matus, A.** *See* Ferralli, J.
**Maupin, P., Phillips, C. L., Adelstein, R. S. and Pollard, T. D.** Differential localization of myosin-II isozymes in human cultured cells and blood cells **107**, 3077
**Maxfield, F. R.** *See* Fagotto, F.
**Maxfield, F. R.** *See* Ghosh, R. N.
**Mayer-Jaekel, R. E., Ohkura, H., Ferrigno, P., Andjelkovic, N., Shiomi, K., Uemura, T., Glover, D. M. and Hemmings, B. A.** *Drosophila* mutants in the 55 kDa regulatory subunit of protein phosphatase 2A show strongly reduced ability to dephosphorylate substrates of $p34^{cdc2}$ **107**, 2609
**Mayor, S.** *See* Wagner, M.
**Mazarguil, H.** *See* Lajoie-Mazenc, I.
**Mazarguil, H.** *See* Paturle-Lafanechere, L.
**McCarthy, J. B.** *See* Pesheva, P.
**McCarty, J. H.** *See* Esmaeli-Azad, B.
**McConville, M. J.** *See* Winter, G.
**McCulloch, C. A. G.** *See* Kulkarni, G. V.
**McFadden, G. I., Gilson, P. R. and Douglas, S. E.** The photosynthetic endosymbiont in cryptomonad cells produces both chloroplast and cytoplasmic-type ribosomes **107.2**, 649
**McGrail, M.** *See* Hays, T. S.
**McGuire, V.** *See* Watson, N.
**McGurk, M.** *See* Irwin, C. R.
**McIntosh, J. R.** *See* Hays, T. S.
**McLain, T.** *See* Sinensky, M.
**McManus, J., Perry, P., Sumner, A. T., Wright, D. M., Thomson, E. J., Allshire, R. C., Hastie, N. D. and Bickmore, W. A.** Unusual chromosome structure of fission yeast DNA in mouse cells **107.3**, 469
**McNaughton, P. A.** *See* Sardini, A.
**McNiven, M. A.** *See* Marks, D. L.
**Meadows, L. A., Gell, D., Broadie, K., Gould, A. P. and White, R. A. H.** The cell adhesion molecule, connectin, and the development of the *Drosophila* neurosmuscular system **107**, 321
**Meagher, L.** *See* Finbow, M. E.
**Meijne, A. M. L., Casey, D. M., Feltkamp, C. A. and Roos, E.** Immuno-EM localization of the $\beta_1$ integrin subunit in wet-cleaved fibronectin-adherent fibroblasts **107**, 1229
**Meijne, A. M. L., Driessens, M. H. E., La Riviere, G., Casey, D., Feltkamp, C. A. and Roos, E.** LFA-1 integrin redistribution during T-cell hybridoma invasion of hepatocyte cultures and manganese-induced adhesion to ICAM-1 **107**, 2557
**Meikle, M. C.** *See* Hill, P. A.
**Meindl, U., Zhang, D. and Hepler, P. K.** Actin microfilaments are associated with the migrating nucleus and the cell cortex in the green alga *Micrasterias*. Studies on living cells **107**, 1929
**Mercurio, A. M.** *See* Tozeren, A.
**Mery, J.** *See* Had, L.
**Mesner, P. W.** *See* Paulson, J. R.
**Mesri, E. A., Ono, M., Kreitman, R. J., Klagsbrun, M. and Pastan, I.** The heparin-binding domain of heparin-binding EGF-like growth factor can target *Pseudomonas* exotoxin to kill cells exclusively through heparan sulfate proteoglycans **107**, 2599
**Metezeau, P.** *See* Lang, T.
**Meyer, R.** *See* Schlatterer, C.
**Meyer-Puttlitz, B.** *See* Karthikeyan, L.

**Michaelis, C.** *See* Luo, Q.
**Michalak, M.** *See* Leung-Hagesteijn, C. Y.
**Mieskes, G.** *See* Fullekrug, J.
**Mieskes, G.** *See* Sonnichsen, B.
**Miettinen, H. M. and Jalkanen, M.** The cytoplasmic domain of syndecan-1 is not required for association with Triton X-100-insoluble material **107**, 1571
**Miike, H.** *See* Siegert, F.
**Milankov, K.** *See* Leung-Hagesteijn, C. Y.
**Milgram, S. L. and Mains, R. E.** Differential effects of temperature blockade on the proteolytic processing of three secretory granule-associated proteins **107.3**, 737
**Miller, J. T.** *See* Turner, C. E.
**Millican, T. A.** *See* Hill, P. A.
**Milne, D. S.** *See* Cunningham, A. C.
**Milstone, L. M., Hough-Monroe, L., Kugelman, L. C., Bender, J. R. and Haggerty, J. G.** Epican, a heparan/chondroitin sulfate proteoglycan form of CD44, mediates cell-cell adhesion **107**, 3183
**Minguez, A., Franca, S., Moreno Diaz de la Espina, S.** Dinoflagellates have a eukaryotic nuclear matrix with lamin-like proteins and topoisomerase II **107**, 2861
**Minisini, R.** *See* Olink-Coux, M.
**Mintenig, G. M.** *See* Sardini, A.
**Minvielle-Sebastia, L.** *See* Bonneaud, N.
**Mischke, M.** *See* Osmani, A. H.
**Misener, V. L., Hui, C.-c., Malapitan, I. A., Ittel, M.-E., Joyner, A. L. and Jongstra, J.** Expression of mouse LSP1/S37 isoforms. S37 is expressed in embryonic mesenchymal cells **107**, 3591
**Mitani, S.** *See* Savage, C.
**Mitchell, D. R. and Brown, K. S.** Sequence analysis of the *Chlamydomonas* alpha and beta dynein heavy chain genes **107.3**, 635
**Mitchison, J. M.** *See* Creanor, J.
**Mittal, A. A.** *See* Ma, A. S. P.
**Miyabashira, J., Sekiguchi, T. and Nishimoto, T.** Mammalian cells have two functional RCC1 proteins produced by alternative splicing **107**, 2203
**Mizuno, M. and Singer, S. J.** A possible role for stable microtubules in intracellular transport from the endoplasmic reticulum to the Golgi apparatus **107**, 1321
**Moens, G.** *See* Bellusci, S.
**Moens, P. B.** *See* Dobson, M. J.
**Mogensen, M. M.** *See* Henderson, C. G.
**Moghal, N.** *See* Frangioni, J. V.
**Moin, K.** *See* Sloane, B. F.
**Moisand, A.** *See* Lajoie-Mazenc, I.
**Mok, S. S.** *See* Hauselmann, H. J.
**Moles, J.-P., Schiller, J. T., Tesniere, A., Leigh, I. M., Guilhou, J.-J. and Basset-Seguin, N.** Analysis of HPV16 E6 and mutant p53-transfected keratinocytes in reconstituted epidermis suggests that wild-type p53 inhibits cytokeratin 19 expression **107.2**, 435
**Molhuizen, H. O. F.** *See* Alkemade, J. A. C.
**Mollat, P., Fournier, A., Yang, C. Z., Alsat, E., Zhang, Y., Evain-Brion, D., Grassi, J. and Thang, M. N.** Species specificity and organ, cellular and subcellular localization of the 100 kDa Ras GTPase activating protein **107.3**, 427
**Molto, N.** *See* Simon-Assmann, P.
**Monaghan, P.** *See* Atherton, A. J.
**Monke, S.** *See* Bacallao, R.
**Montcourrier, P., Mangeat, P. H., Valembois, C., Salazar, G., Sahuquet, A., Duperray, C. and Rochefort, H.** Characterization of very acidic phagosomes in breast cancer cells and their association with invasion **107**, 2381
**Montijn, M. B., Houtsmuller, A. B., Oud, J. L. and Nanninga, N.** The spatial localization of 18 S rRNA genes, in relation to the descent of the cells, in the root cortex of *Petunia hybrida* **107.3**, 457
**Mooseker, M. S.** *See* Heintzelman, M. B.
**Morano, K. A. and Klionsky, D. J.** Differential effects of compartment deacidification on the targeting of membrane and soluble proteins to the vacuole in yeast **107**, 2813
**Moreau, M.-F.** *See* Veras, P. S. T.
**Morgan, D.** *See* Rosendaal, M.
**Mori, M.** *See* Kojima, T.
**Morris, E. J. and Fulton, A. B.** Rearrangement of mRNAs for costamere proteins during costamere development in cultured skeletal muscle from chicken **107.3**, 377
**Morris, R. J.** *See* Tiveron, M. -C.
**Morse-Gaudio, M. and Risley, M. S.** Topoisomerase II expression and VM-26 induction of DNA breaks during spermatogenesis in *Xenopus laevis* **107**, 2887
**Mosgoller, W.** *See* Hozak, P.
**Moss, D. J.** *See* Clarke, G. A.
**Mozingo, N. M., Somers, C. E. and Chandler, D. E.** Ultrastructure of the proteoliaisin-ovoperoxidase complex and its spatial organization within the *Strongylocentrotus purpuratus* fertilization envelope **107**, 2769
**Muir, E.** *See* Smith-Thomas, L. C.
**Mullenders, L.** *See* Jackson, D. A.
**Muller, R.** *See* Burger, C.
**Muller, R.** *See* Sewing, A.
**Muller, R.** *See* Wick, M.
**Murphy, C.** *See* Lutcke, A.
**Murphy, G.** *See* Hill, P. A.
**Muschel, R. J.** *See* Himelstein, B. P.
**Nagafuchi, A.** *See* Takeuchi, K.
**Nagasaki, T., Liao, G. and Gundersen, G. G.** Isolated plasma membranes induce the loss of oriented detyrosinated microtubules and other contact inhibition-like responses in migrating NRK cells **107**, 3413
**Nagata, T.** *See* Usuda, N.
**Nakamura, Y.** *See* Gotow, T.
**Nakao, H., Yamamoto, A., Takeuchi, I. and Tasaka, M.** *Dictyostelium* prespore-specific gene *Dp87* encodes a sorus matrix protein **107.3**, 397
**Nakayama, T.** *See* Matsuoka, Y.
**Nakazato, K.** *See* Kubota, K.
**Nanninga, N.** *See* Montijn, M. B.
**Nasser Hajibagheri, M. A.** *See* Lu, Q.-L.
**Needham, L. A.** *See* Clements, J. M.
**Neel, B. G.** *See* Frangioni, J. V.
**Nemeth, E.** *See* Baron, A. T.
**Neuhaus, J.** *See* Wolburg, H.
**Neveu, M. J., Hully, J. R., Babcock, K. L., Hertzberg, E. L., Nicholson, B. J., Paul, D. L. and Pitot, H. C.** Multiple mechanisms are responsible for altered expression of gap junction genes during oncogenesis in rat liver **107**, 83
**Newell, P. C.** *See* Liu, G.
**Newham, P.** *See* Clements, J. M.
**Nguyen Van, P.** *See* Fullekrug, J.
**Nguyen Van, P.** *See* Sonnichsen, B.
**Nicholson, B. J.** *See* Neveu, M. J.
**Nicolas, F., Tiveron, M.-C., Davoust, J. and Reggio, H.** GPI membrane anchor is determinant in intracellular accumulation of apical plasma membrane proteins in the non-polarized human colon cancer cell line HT-29 18 **107**, 2679
**Niebuhr, K.** *See* Temm-Grove, C. J.
**Niessen, C. M., Cremona, O., Daams, H., Ferraresi, S., Sonnenberg, A. and Marchisio, P. C.** Expression of the integrin $\alpha_6\beta_4$ in peripheral nerves: localization in Schwann and perineural cells and different variants of the $\beta_4$ subunit **107.2**, 543
**Nieto-Sampedro, M.** *See* Fernaud-Espinosa, I.
**Nigg, E. A.** *See* Golsteyn, R. M.
**Nigg, E. A.** *See* Hennekes, H.
**Nimni, M. E.** *See* Tuan, T.-L.
**Nishimoto, T.** *See* Miyabashira, J.
**Noaillac-Depeyre, J.** *See* Azum-Gelade, M.-C.
**Noble, M.** *See* Lucassen, E.
**Noguchi, T.** *See* Usuda, N.
**Nolta, K.** *See* Bush, J.
**Nomura, A.** Nuclear distribution of proliferating cell nuclear antigen

(PCNA) in fertilized eggs of the starfish Asterina pectinifera **107**, 3291
**Nomura, A.** *See* Siegert, F.
**Nordeen, S. K** *See* Sarria, A. J.
**North, A. J., Gimona, M., Cross, R. A. and Small, J. V.** Calponin is localised in both the contractile apparatus and the cytoskeleton of smooth muscle cells **107.3**, 437
**North, A. J., Gimona, M., Lando, Z. and Small, J. V.** Actin isoform compartments in chicken gizzard smooth muscle cells **107.3**, 445
**Norton, P. A.** Alternative pre-mRNA splicing: factors involved in splice site selection **107**, 1
**Nosten-Bertrand, M.** *See* Tiveron, M.-C.
**Nurse, P.** *See* Forsburg, S. L.
**Nurse, P.** *See* Paris, J.
**Obata, S.** *See* Tanihara, H.
**Obrink, B.** *See* Hunter, I.
**Ocalan, M.** *See* Wolburg, H.
**Ochs, R. L., Stein Jr, T. W. and Tan, E. M.** Coiled bodies in the nucleolus of breast cancer cells **107.2**, 385
**O'Connell, M. J.** *See* Osmani, A. H.
**Odermatt, B. F.** *See* Walchli, C.
**O'Donnell, J. M.** *See* Chen, X.
**Ogihara, S.** *See* Ueda, M.
**O'Halloran, T.** *See* Bush, J.
**O'Hare, M. J.** *See* Atherton, A. J.
**Ohkura, H.** *See* Mayer-Jaekel, R. E.
**Ohnishi, M., Tokuda, M., Masaki, T., Fujimura, T., Tai, Y., Matsui, H., Itano, T., Ishida, T., Takahara, J., Konishi, R. and Hatase, O.** Changes in annexin I and II levels during the postnatal development of rat pancreatic islets **107**, 2117
**Ohsumi, K., Sawada, W. and Kishimoto, T.** Meiosis-specific cell cycle regulation in maturing *Xenopus* oocytes **107**, 3005
**Ohuchi, E.** *See* Hayakawa, T.
**Ojakian, G. K. and Schwimmer, R.** Regulation of epithelial cell surface polarity reversal by β1 integrins **107.3**, 561
**Olink-Coux, M., Arcangeletti, C., Pinardi, F., Minisini, R., Huesca, M., Chezzi, C. and Scherrer, K.** Cytolocation of prosome antigens on intermediate filament subnetworks of cytokeratin, vimentin and desmin type **107.3**, 353
**Olkkonen, V. M.** *See* Jantti, J.
**Olkkonen, V. M.** *See* Lutcke, A.
**Omary, M. B.** *See* Chou, C.-F.
**Ono, M.** *See* Mesri, E. A.
**Orci, L.** *See* Cirulli, V.
**Ortonne, J. P.** *See* Romero, C.
**Osmani, A. H., van Peij, N., Mischke, M., O'Connell, M. J. and Osmani, S. A.** A single $p34^{cdc2}$ protein kinase (encoded by $nimX^{cdc2}$) is required at $G_1$ and $G_2$ in *Aspergillus nidulans* **107**, 1519
**Osmani, S. A.** *See* Osmani, A. H.
**Osumi, M.** *See* Kobori, H.
**Oud, J. L.** *See* Montijn, M. B.
**Overath, P.** *See* Winter, G.
**Oyamada, M.** *See* Kojima, T.
**Panaretto, B. A.** Aspects of growth factor signal transduction in the cell cytoplasm **107**, 747
**Paris, J., Leplatois, P. and Nurse, P.** Study of the higher eukaryotic gene function CDK2 using fission yeast **107.3**, 615
**Parker, L.** *See* Rochwerger, L.
**Parry, D. A. D.** *See* Koch, E. A.
**Parsons, M.** *See* Das, A.
**Parsons, M.** *See* Gale Jr, M.
**Parton, R. G.** *See* Lutcke, A.
**Parton, R. G.** *See* Pizon, V.
**Pasion, S. G., Brown, G. W., Brown, L. M. and Ray, D. S.** Periodic expression of nuclear and mitochondrial DNA replication genes during the trypanosomatid cell cycle **107**, 3515
**Pastan, I.** *See* Mesri, E. A.
**Patel, K.** *See* Dover, R.
**Patel, R.** *See* Kramer, I. M.
**Paterson, H. F.** *See* Atherton, A. J.
**Paton, C. C.** *See* Henderson, C. G.
**Paturle-Lafanechere, L., Manier, M., Trigault, N., Pirollet, F., Mazarguil, H. and Job, D.** Accumulation of delta 2-tubulin, a major tubulin variant that cannot be tyrosinated, in neuronal tissues and in stable microtubule assemblies **107**, 1529
**Paul, D. L.** *See* Bruzzone, R.
**Paul, D. L.** *See* Neveu, M. J.
**Paulson, J. R., Ciesielski, W. A., Schram, B. R. and Mesner, P. W.** Okadaic acid induces dephosphorylation of histone H1 in metaphase-arrested HeLa cells **107**, 267
**Paulus, U.** *See* Li, Y. Q.
**Pavasant, P., Shizari, T. M. and Underhill, C. B.** Distribution of hyaluronan in the epiphysial growth plate: turnover by CD44 expressing osteoprogenitor cells **107**, 2669
**Pearlman, R. E.** *See* Dobson, M. J.
**Pearse, B. M. F.** *See* Camidge, D. R.
**Pearse, B. M. F.** *See* Conibear, E.
**Peng, H. B.** *See* Baker, P. L.
**Pepperkok, R.** *See* Pierre, P.
**Pepperkok, R.** *See* Storrie, B.
**Pepperkok, R.** *See* Todorov, I. T.
**Perez, A.** *See* Davis, P. B.
**Perry, P.** *See* McManus, J.
**Pesheva, P., Probstmeier, R., Skubitz, A. P. N., McCarthy, J. B., Furcht, L. T. and Schachner, M.** Tenascin-R (J1 160/180) inhibits fibronectin-mediated cell adhesion - functional relatedness to tenascin-C **107**, 2323
**Peters, P.** *See* Bruno de Almeida, J.
**Petzelt, C.** *See* de Pennart, H.
**Petzold, A.** *See* Haarer, B. K.
**Philipova, R. N.** *See* Todorov, I. T.
**Phillips, C. L.** *See* Maupin, P.
**Picardo, M.** *See* Irwin, C. R.
**Pickett-Heaps, J. D.** *See* Spurck,T. P.
**Pienkowski, T. P.** *See* Baas, P. W.
**Pierani, A.** *See* Wang, J.
**Pierre, P., Pepperkok, R. and Kreis, T. E.** Molecular characterization of two functional domains of CLIP-170 in vivo **107**, 1909
**Pietrasanta, L. I., Schaper, A. and Jovin, T. M.** Imaging subcellular structures of rat mammary carcinoma cells by scanning force microscopy **107**, 2427
**Pinardi, F.** *See* Olink-Coux, M.
**Pinkerton, K. E.** *See* Rice, R. H.
**Piper, T. A.** *See* Dunckley, M. G.
**Pirollet, F.** *See* Paturle-Lafanechere, L.
**Pisano, C.** *See* Cenci, G.
**Pithawalla, R. B.** *See* Koch, E. A.
**Pitot, H. C.** *See* Neveu, M. J.
**Pizon, V., Desjardins, M., Bucci, C., Parton, R. G. and Zerial, M.** Association of RAP1a and RAP1b proteins with late endocytic/phagocytic compartments and Rap2a with the Golgi complex **107**, 1661
**Plessmann, U.** *See* Hatzfeld, M.
**Pollard, T. D.** *See* Maupin, P.
**Ponec, M.** *See* Alkemade, J. A. C.
**Poon, R. Y. C., Yamashita, K., Howell, M., Ershler, M. A., Belyavsky, A. and Hunt, T.** Cell cycle regulation of the $p34^{cdc2}$/$p33^{cdk2}$-activating kinase $p40^{MO15}$ **107**, 2789
**Porter, M. E.** *See* Hays, T. S.
**Portoles, M., Faura, M., Renau-Piqueras, J., Jose Iborra, F., Saez, R., Guerri, C., Serratosa, J., Rius, E. and Bachs, O.** Nuclear calmodulin/62 kDa calmodulin-binding protein complexes in interphasic and mitotic cells **107**, 3601
**Postner, M. A. and Wieschaus, E. F.** The *nullo* protein is a component of the actin-myosin network that mediates cellularization in *Drosophila melanogaster* embryos **107**, 1863
**Potten, C. S.** *See* Li, Y. Q.
**Prat, M.** *See* Rabino, M.
**Prepens, U.** *See* Just, I.
**Probstmeier, R.** *See* Pesheva, P.

**Pryde, J. G.** A group of integral membrane proteins of the rat liver Golgi contains a conserved protein of 100 kDa **107**, 3425
**Puget, A.** *See* Lajoie-Mazenc, I.
**Pulkkinen, L.** *See* Chan, Y.-m.
**Puvion, E.** *See* Puvion-Dutilleul, F.
**Puvion-Dutilleul, F., Bachellerie, J.-P., Visa, N. and Puvion, E.** Rearrangements of intranuclear structures involved in RNA processing in response to adenovirus infection **107**, 1457
**Quaranta, V.** *See* Gaietta, G.
**Quarto, N. and Amalric, F.** Heparan sulfate proteoglycans as transducers of FGF-2 signalling **107**, 3201
**Quinlan, R. A.** *See* Ralton, J. E.
**Rabie, A.** *See* Had, L.
**Rabino, M., Trusolino, L., Prat, M., Cremona, O., Savoia, P. and Marchisio, P. C.** A monoclonal antibody identifies a novel GPI-anchored glycoprotein involved in epithelial intercellular adhesion **107**, 1413
**Rabinovitch, M.** *See* Veras, P. S. T.
**Rahman, A.** *See* Rosendaal, M.
**Rajasekaran, A. K.** *See* Wagner, M.
**Ralton, J. E., Lu, X., Hutcheson, A. M. and Quinlan, R. A.** Identification of two N-terminal non-alpha-helical domain motifs important in the assembly of glial fibrillary acidic protein **107**, 1935
**Ramaekers, F. C. S.** *See* van de Velde, H. J. K.
**Ranganayakulu, G.** *See* Chen, X.
**Ray, D. S.** *See* Pasion, S. G.
**RayChaudhury, A., Frazier, W. A. and D'Amore, P. A.** Comparison of normal and tumorigenic endothelial cells: differences in thrombospondin production and responses to transforming growth factor-beta **107**, 39
**Raynaud-Messina, B.** *See* Lajoie-Mazenc, I.
**Rech, J., Barlat, I., Veyrune, J. L., Vie, A. and Blanchard, J. M.** Nuclear import of serum response factor (SRF) requires a short amino-terminal nuclear localization sequence and is independent of the casein kinase II phosphorylation site **107**, 3029
**Reddy, D.** *See* Cravchik, A.
**Reddy, J. K.** *See* Usuda, N.
**Redelmeier, T. E.** *See* Gaietta, G.
**Reenstra, W.** *See* Hara, M.
**Reeves, W. H.** *See* Wang, J.
**Reggio, H.** *See* Andreoli, C.
**Reggio, H.** *See* Nicolas, F.
**Reichmann, E.** *See* Lucassen, E.
**Reinisch, L.** *See* Bassnett, S.
**Reiter, R. S.** *See* Hurle, J. M.
**Renau-Piqueras, J.** *See* Portoles, M.
**Renault, E. and Deschatrette, J.** Inductive effect of copper deficiency on the reversion of dedifferentiated rat hepatoma cells and on gene amplification **107**, 3251
**Rettig, W. J., Erickson, H. P., Albino, A. P. and Garin-Chesa, P.** Induction of human tenascin (neuronectin) by growth factors and cytokines: cell type-specific signals and signalling pathways **107.2**, 487
**Reynolds, E. R.** *See* Chen, X.
**Reynolds, J. J.** *See* Hill, P. A.
**Ribisi, S.** *See* Bregman, D. B.
**Rice, R. H., Wong, V. J. and Pinkerton, K. E.** Ultrastructural visualization of cross-linked protein features in epidermal appendages **107**, 1985
**Richter, H.-P.** *See* Just, I.
**Ricquier, D.** *See* Klaus, S.
**Ried, T.** *See* Golsteyn, R. M.
**Rieder, C. L.** *See* Cassimeris, L.
**Rieger, F.** *See* Vandaele, S. F.
**Riley, P.** *See* Kramer, I. M.
**Rimmington, G., Dalby, B. and Glover, D. M.** Expression of N-terminally truncated cyclin B in the *Drosophila* larval brain leads to mitotic delay at late anaphase **107**, 2729
**Rindler, M. J.** *See* Colomer, V.
**Riparbelli, M. G.** *See* Callaini, G.
**Risau, W.** *See* Wolburg, H.
**Risley, M. S.** *See* Morse-Gaudio, M.
**Rius, E.** *See* Portoles, M.
**Robenek, H.** *See* Honing, S.
**Roberg, K. J.** *See* Simonson, G. D.
**Roberts, K.** *See* Turner, A.
**Roberts, S. A.** *See* Li, Y.Q.
**Roberts, T. M.** *See* King, K. L.
**Robinson, D. G.** *See* Holstein, S. E. H.
**Robinson, D. G.** *See* Sonnichsen, B.
**Robinson, K. R.** *See* Keating, T. J.
**Rochefort, H.** *See* Montcourrier, P.
**Rochwerger, L., Dho, S., Parker, L., Foskett, J. K. and Buchwald, M.** Estrogen-dependent expression of the cystic fibrosis transmembrane regulator gene in a novel uterine epithelial cell line **107**, 2439
**Rodolosse, A.** *See* Chantret, I.
**Rodriguez, I. R.** *See* Campochiaro, P. A.
**Rodriguez, M. L., Brignoni, M. and Salas, P. J. I.** A specifically apical sub-membrane intermediate filament cytoskeleton in non-brush-border epithelial cells **107**, 3145
**Rodriguez-Boulan, E.** *See* Wagner, M.
**Rodriguez-Garcia, M. I.** *See* Alche, J. D.
**Rodriguez-Paris, J.** *See* Bush, J.
**Roebroek, A. J. M.** *See* van de Velde, H. J. K.
**Roeder, R. G.** *See* Wang, J.
**Roels, H.** *See* De Corte, V.
**Rogers, J. H.** *See* Smith-Thomas, L. C.
**Rohde, M.** *See* Temm-Grove, C. J.
**Romero, C., Aberdam, E., Larnier, C. and Ortonne, J. P.** Retinoic acid as modulator of the UVB-induced melanocyte differentiation. Involvement of the melanogenic enzymes expression **107**, 1095
**Ronicke, V.** *See* Sewing, A.
**Roos, E.** *See* La Riviere, G.
**Roos, E.** *See* Meijne, A. M. L.
**Rosenbaum, J. L.** *See* Johnson, K. A.
**Rosendaal, M., Green, C. R., Rahman, A. and Morgan, D.** Up-regulation of the connexin43$^{+}$ gap junction network in haemopoietic tissue before the growth of stem cells **107**, 29
**Ross, S.** *See* Klaus, S.
**Rossi, E.** *See* Sparvoli, E.
**Rouiller, D. G.** *See* Cirulli, V.
**Rousset, M.** *See* Chantret, I.
**Rovensky, Y. A. and Samoilov, V. I.** Morphogenetic response of cultured normal and transformed fibroblasts, and epitheliocytes, to a cylindrical substratum surface. Possible role for the actin filament bundle pattern **107**, 1255
**Rozhin, J.** *See* Sloane, B. F.
**Ruchaud, S.** *See* Gjertsen, B. T.
**Ruiz Rejon, C.** *See* Jamilena, M.
**Ruiz Rejon, M.** *See* Jamilena, M.
**Ruscetti, T.** *See* Bush, J.
**Russell, F.** *See* Gee, K.
**Rutishauser, U.** *See* Cirulli, V.
**Sabolic, I.** *See* Verbavatz, J. M.
**Sadayo, E.** *See* Sesso, A.
**Saez, R.** *See* Portoles, M.
**Sahuquet, A.** *See* Montcourrier, P.
**Saito, M.** *See* Gillard, B. K.
**Sakai, L. Y.** *See* Hurle, J. M.
**Salas, P. J. I.** *See* Rodriguez, M. L.
**Salazar, G.** *See* Montcourrier, P.
**Sale, W. S.** *See* Fox, L. A.
**Salgado, L. M.** *See* Lopez de Haro, M. S.
**Salisbury, J. L.** *See* Baron, A. T.
**Salisbury, J. L.** *See* Errabulo, R.
**Salles-Passador, I.** *See* Lajoie-Mazenc, I.
**Salmon, E. D.** *See* Cassimeris, L.
**Salmon, E. D.** *See* Endow, S. A.
**Sambasiva Rao, M.** *See* Usuda, N.
**Sameni, M.** *See* Sloane, B. F.

**Samoilov, V. I.** *See* Rovensky, Y. A.
**Samsonoff, W. A.** *See* DePasquale, J. A.
**Sanders, M. A.** *See* Errabulo, R.
**Sanderson, M. J.** *See* Boitano, S.
**Santos, C.** *See* Chammas, R.
**Sapin, C.** *See* Baricault, L.
**Sardini, A., Mintenig, G. M., Valverde, M. A., Sepulveda, F. V., Gill, D. R., Hyde, S. C., Higgins, C. F. and McNaughton, P. A.** Drug efflux mediated by the human multidrug resistance P-glycoprotein is inhibited by cell swelling **107**, 3281
**Sarria, A. J., Lieber, G. J., Nordeen, S. K and Evans, R. M.** The presence or absence of a vimentin-type intermediate filament network affects the shape of the nucleus in human SW-13 cells **107**, 1593
**Satoh, M.** *See* Wang, J.
**Savage, C., Xue, Y., Mitani, S., Hall, D., Zakhary, R. and Chalfie, M.** Mutations in the *Caenorhabditis elegans* β-tubulin gene *mec-7*: effects on microtubule assembly and stability and on tubulin autoregulation **107**, 2165
**Savoia, P.** *See* Rabino, M.
**Sawada, N.** *See* Kojima, T.
**Sawada, W.** *See* Ohsumi, K.
**Sawin, K. E.** *See* Fox, L. A.
**Schachner, M.** *See* Pesheva, P.
**Schalkwijk, J.** *See* van Ruissen, F.
**Schaper, A.** *See* Pietrasanta, L. I.
**Scherrer, K.** *See* Olink-Coux, M.
**Schiller, J. T.** *See* Moles, J.-P.
**Schlatterer, C., Gollnick, F., Schmidt, E., Meyer, R. and Knoll, G.** Challenge with high concentrations of cyclic AMP induces transient changes in the cytosolic free calcium concentration in *Dictyostelium discoideum* **107**, 2107
**Schmid, E.-M.** *See* Wolburg, H.
**Schmid, T. M.** *See* Hauselmann, H. J.
**Schmidt, E.** *See* Schlatterer, C.
**Schmitt, J.** *See* Wang, J.
**Schoenenberger, C.-A., Zuk, A., Zinkl, G. M., Kendall, D. and Matlin, K. S.** Integrin expression and localization in normal MDCK cells and transformed MDCK cells lacking apical polarity **107.2**, 527
**Schoenenberger, C.-A.** *See* Hoh, J. H.
**Schofer, C.** *See* Hozak, P.
**Schor, S. L.** *See* Irwin, C. R.
**Schorderet-Slatkine, S.** *See* Gavin, A.-C.
**Schram, B. R.** *See* Paulson, J. R.
**Schultz, S. J.** *See* Golsteyn, R. M.
**Schweiger, A.** *See* Jungbluth, A.
**Schweiger, M.** *See* Walla, O. J.
**Schwimmer, R.** *See* Ojakian, G. K.
**Sekiguchi, T.** *See* Miyabashira, J.
**Senden, N. H. M.** *See* van de Velde, H. J. K.
**Sepulveda, F. V.** *See* Sardini, A.
**Serratosa, J.** *See* Portoles, M.
**Sesso, A., de Faria, F. P., Sadayo, E., Iwamura, E. S. M. and Correa, H.** A three-dimensional reconstruction study of the rough ER-Golgi interface in serial thin sections of the pancreatic acinar cell of the rat **107.3**, 517
**Sewing, A., Ronicke, V., Burger, C., Funk, M. and Muller, R.** Alternative splicing of human cyclin E **107.2**, 581
**Sgourdas, G. P.** *See* D'Andrea, L.
**Shah, M., Foreman, D. M. and Ferguson, M. W. J.** Neutralising antibody to TGF-$\beta_{1,2}$ reduces cutaneous scarring in adult rodents **107**, 1137
**Shall, S.** *See* Kill, I. R.
**Shanks, M. R., Cassio, D., Lecoq, O. and Hubbard, A. L.** An improved polarized rat hepatoma hybrid cell line. Generation and comparison with its hepatoma relatives and hepatocytes in vivo **107**, 813
**Shepherd, M.** *See* Clements, J. M.
**Shi, D.-L., Fromentoux, V., Launay, C., Umbhauer, M. and Boucaut, J.-C.** Isolation and developmental expression of the amphibian homolog of the fibroblast growth factor receptor 3 **107.3**, 417
**Shibaoka, H.** *See* Asada, T.
**Shinagawa, A.** *See* Hayakawa, T.
**Shiomi, K.** *See* Mayer-Jaekel, R. E.
**Shizari, T. M.** *See* Pavasant, P.
**Shur, B. D.** *See* Appeddu, P. A.
**Shur, B. D.** *See* Maillet, C. M.
**Shurety, W.** *See* Jackman, M. R.
**Siegert, F., Weijer, C. J., Nomura, A. and Miike, H.** A gradient method for the quantitative analysis of cell movement and tissue flow and its application to the analysis of multicellular *Dictyostelium* development **107**, 97
**Silski, C. L.** *See* Davis, P. B.
**Simmons, D. L.** *See* Holness, C. L.
**Simon-Assmann, P., Leberquier, C., Molto, N., Uezato, T., Bouziges, F. and Kedinger, M.** Adhesive properties and integrin expression profiles of two colonic cancer populations differing by their spreading on laminin **107.3**, 577
**Simons, K.** *See* Lutcke, A.
**Simonson, G. D., Vincent, A. C., Roberg, K. J., Huang, Y. and Iwanij, V.** Molecular cloning and characterization of the novel liver-specific transport protein **107**, 1065
**Sims, S. M.** *See* Arkett, S. A.
**Sinensky, M., Fantle, K., Trujillo, M., McLain, T., Kupfer, A. and Dalton, M.** The processing pathway of prelamin A **107**, 61
**Sinensky, M., McLain, T. and Fantle, K.** Expression of prelamin A but not mature lamin A confers sensitivity of DNA biosynthesis to lovastatin on F9 teratocarcinoma cells **107**, 2215
**Singer, S. J.** *See* Mizuno, M.
**Singh, P. B.** Molecular mechanisms of cellular determination: their relation to chromatin structurey and parental imprinting **107**, 2653
**Siu, C.-H.** *See* Desbarats, L.
**Skubitz, A. P. N.** *See* Pesheva, P.
**Sloan, P.** *See* Irwin, C. R.
**Sloane, B. F., Moin, K., Sameni, M., Tait, L. R., Rozhin, J. and Ziegler, G.** Membrane association of cathepsin B can be induced by transfection of human breast epithelial cells with c-Ha-*ras* oncogene **107.2**, 373
**Small, J. V.** *See* North, A. J.
**Smith-Thomas, L. C., Fok-Seang, J., Stevens, J., Du, J.-S., Muir, E., Faissner, A., Geller, H. M., Rogers, J. H. and Fawcett, J. W.** An inhibitor of neurite outgrowth produced by astrocytes **107**, 1687
**Smoljanovic, M.** *See* Duprez, V.
**Snowden, R. T.** *See* Bicknell, G. R.
**Soderlund, H.** *See* Jantti, J.
**Soling, H.-D.** *See* Fullekrug, J.
**Solomon, F.** *See* Winckler, B.
**Solursh, M.** *See* Hurle, J. M.
**Somers, C. E.** *See* Mozingo, N. M.
**Song, W. K.** *See* Gu, M.
**Sonnenberg, A.** *See* Niessen, C. M.
**Sonnichsen, B., Fullekrug, J., Nguyen Van, P., Diekmann, W., Robinson, D. G. and Mieskes, G.** Retention and retrieval: both mechanisms cooperate to maintain calreticulin in the endoplasmic reticulum **107**, 2705
**Sonnichsen, B.** *See* Fullekrug, J.
**Spargo, D.** *See* Kramer, I. M.
**Sparvoli, E., Levi, M. and Rossi, E.** Replicon clusters may form structurally stable complexes of chromatin and chromosomes **107**, 3097
**Spiegelman, B.** *See* Klaus, S.
**Spitzer, R. H.** *See* Koch, E. A.
**Spudich, J. A.** *See* Lee, R. J.
**Spurck,T. P. and Pickett-Heaps, J. D.** The effects of diazepam on mitosis and the microtubule cytoskeleton. I. Observations on the diatoms *Hantzschia amphioxys* and *Surirella robusta* **107**, 2643
**Spyropoulos, B.** *See* Dobson, M. J.
**St John, T.** *See* Tanihara, H.
**Stappert, J.** *See* Aberle, H.
**Steck, T.** *See* Bush, J.
**Steffen, W., Fajer, E. A. and Linck, R. W.** Centrosomal components

immunologically related to tekins from ciliary and flagellar microtubules **107**, 2095
**Steiber, A.** *See* Thomas, J.-L.
**Stein Jr, T. W.** *See* Ochs, R. L.
**Steinert, P. M.** *See* Steven, A. C.
**Stelzer, E. H. K.** *See* Storrie, B.
**Stephens, R. E.** Tubulin and tektin in sea urchin embryonic cilia: pathways of protein incorporation during turnover and regeneration **107.2**, 683
**Steven, A. C. and Steinert, P. M.** Protein composition of cornified cell envelopes of epidermal keratinocytes **107.2**, 693
**Stevens, J.** *See* Smith-Thomas, L. C.
**Stevenson, B. R. and Begg, D. A.** Concentration-dependent effects of cytochalasin D on tight junctions and actin filaments in MDCK epithelial cells **107.3**, 367
**Stevenson, R. D.** *See* Chettibi, S.
**Stewart, M.** *See* Buss, F.
**Stewart, M.** *See* King, K. L.
**Stieber, A.** *See* Johnston, P. A.
**Stierhof, Y.-D.** *See* Winter, G.
**Stones, A. J.** *See* Filsell, W.
**Storrie, B., Pepperkok, R., Stelzer, E. H. K. and Kreis, T. E.** The intracellular mobility of a viral membrane glycoprotein measured by confocal microscope fluorescence recovery after photobleaching **107**, 1309
**Storrie, B.** *See* Jahraus, A.
**Stow, J. L.** *See* Bruno de Almeida, J.
**Strittmatter, S. M., Valenzuela, D. and Fishman, M. C.** An amino-terminal domain of the growth-associated protein GAP-43 mediates its effects on filopodial formation and cell spreading **107**, 195
**Stuart-Tilley, A.** *See* Frangioni, J. V.
**Stunnenberg, H. G.** *See* Wang, J.
**Subtil, A., Hemar, A. and Dautry-Varsat, A.** Rapid endocytosis of interleukin 2 receptors when clathrin-coated pit endocytosis is inhibited. **107**, 3461
**Suman, V. J.** *See* Baron, A. T.
**Sumner, A. T.** *See* McManus, J.
**Sun, D.** *See* Tuan, T.-L.
**Suzuki, S.** *See* Tanihara, H.
**Svoboda, K. K. H.** *See* Yeh, B.
**Swiston, J.** *See* Yu, G.
**Syed, Z.** *See* Marya, P. K.
**Tai, Y.** *See* Ohnishi, M.
**Tait, L. R.** *See* Sloane, B. F.
**Takahara, J.** *See* Ohnishi, M.
**Takechi, S.** *See* Matsuoka, Y.
**Takeda, M.** *See* Gotow, T.
**Takeuchi, I.** *See* Nakao, H.
**Takeuchi, K., Kawashima, A., Nagafuchi, A. and Tsukita, S.** Structural diversity of band 4.1 superfamily members **107**, 1921
**Takigawa, M.** *See* Tuckwell, D. S.
**Tamura, R. N.** *See* Gaietta, G.
**Tan, E. M.** *See* Ochs, R. L.
**Tanaka, T.** *See* Gotow, T.
**Tang, A.** *See* Hara, M.
**Tang, A., Eller, M. S., Hara, M., Yaar, M., Hirohashi, S. and Gilchrest, B. A.** E-cadherin is the major mediator of human melanocyte adhesion to keratinocytes in vitro **107**, 983
**Tang, C.-j. C.** *See* Tang, T. K.
**Tang, T. K., Tang, C.-j. C., Chao, Y.-J. and Wu, C.-W.** Nuclear mitotic apparatus protein (NuMA): spindle association, nuclear targeting and differential subcellular localization of various NuMA isoforms **107**, 1389
**Tanguay, R. M.** *See* Joly, E. C.
**Tanihara, H., Kido, M., Obata, S., Heimark, R. L., Davidson, M., St John, T. and Suzuki, S.** Characterization of cadherin-4 and cadherin-5 reveals new aspects of cadherins **107**, 1697
**Tannenbaum, J.** *See* Clyman, R. I.
**Tasaka, M.** *See* Nakao, H.
**Taverna, D.** *See* Chammas, R.
**Taylor-Papadimitriou, J.** *See* Berdichevsky, F.
**Taylor-Papadimitriou, J.** *See* Lu, Q.-L.
**Temesvari, L.** *See* Bush, J.
**Temm-Grove, C. J., Jockusch, B. M., Rohde, M., Niebuhr, K., Chakraborty, T. and Wehland, J.** Exploitation of microfilament proteins by *Listeria monocytogenes*: microvillus-like composition of the comet tails and vectorial spreading in polarized epithelial sheets **107**, 2951
**Terasaki, M.** Redistribution of cytoplasmic components during germinal vesicle breakdown in starfish oocytes **107**, 1797
**Tesniere, A.** *See* Moles, J.-P.
**Tetley, R. D.** *See* Cunningham, A. C.
**Thang, M. N.** *See* Mollat, P.
**Thibon, M.** *See* Veras, P. S. T.
**Thiery, J.-P.** *See* Bellusci, S.
**Thody, A. J.** *See* Hunt, G.
**Thomas, J.-L., Steiber, A. and Gonatas, N.** Two proteins associated with secretory granule membranes identified in chicken regulated secretory cells **107**, 1297
**Thomson, E. J.** *See* McManus, J.
**Thonar, E. J.-M. A.** *See* Hauselmann, H. J.
**Thorner, J.** *See* Harris, E.
**Thurmon, L. T.** *See* Gillard, B. K.
**Tidball, J. G.** *See* Law, D. J.
**Timpl, R.** *See* Brown, J. C.
**Titley, J.** *See* Atherton, A. J.
**Tiveron, M.-C., Nosten-Bertrand, M., Jani, H., Garnett, D., Hirst, E. M. A., Grosveld, F. and Morris, R. J.** The mode of anchorage to the cell surface determines both the function and the membrane location of Thy-1 glycoprotein **107**, 1783
**Tiveron, M.-C.** *See* Nicolas, F.
**Tjandra, H.** *See* Asai, D. J.
**Toda, T.** *See* Kobori, H.
**Toda, T.** *See* Yoshida, T.
**Todd, C.** *See* Hunt, G.
**Todorov, I. T., Pepperkok, R., Philipova, R. N., Kearsey, S. E., Ansorge, W. and Werner, D.** A human nuclear protein with sequence homology to a family of early S phase proteins is required for entry into S phase and for cell division **107**, 253
**Toh, B.-H.** *See* Yeo, J.-P.
**Toikkanen, J.** *See* Jantti, J.
**Tokuda, M.** *See* Ohnishi, M.
**Tolkovsky, A. M.** *See* Tomkins, C. E.
**Tollon, Y.** *See* Lajoie-Mazenc, I.
**Tomkins, C. E., Edwards, S. N. and Tolkovsky, A. M.** Apoptosis is induced in post-mitotic rat sympathetic neurons by arabinosides and topoisomerase II inhibitors in the presence of NGF **107**, 1499
**Torres-Ruiz, J. A.** *See* Velez-Granell, C. S.
**Toya, M.** *See* Kobori, H.
**Toyama, K.** *See* Baas, P. W.
**Tozeren, A., Kleinman, H. K., Wu, S., Mercurio, A. M. and Byers, S. W.** Integrin $\alpha_6\beta_4$ mediates dynamic interactions with laminin **107**, 3153
**Travis, M.** *See* Cho, M.
**Tremblay, E.** *See* Joly, E. C.
**Trezise, A. E. O.** *See* Chambers, J. A.
**Trigault, N.** *See* Paturle-Lafanechere, L.
**Trueb, B.** *See* Walchli, C.
**Trugnan, G.** *See* Baricault, L.
**Trujillo, M.** *See* Sinensky, M.
**Trusolino, L.** *See* Rabino, M.
**Tsukita, S.** *See* Takeuchi, K.
**Tuan, T.-L., Keller, L. C., Sun, D., Nimni, M. E. and Cheung, D.** Dermal fibroblasts activate keratinocyte outgrowth on collagen gels **107**, 2285
**Tucker, J. B.** *See* Henderson, C. G.
**Tuckwell, D. S., Ayad, S., Grant, M. E., Takigawa, M. and Humphries, M. J.** Conformation dependence of integrin-type II collagen binding. Inability of collagen peptides to support $\alpha_2\beta_1$

binding, and mediation of adhesion to denatured collagen by a novel $\alpha_5\beta_1$-fibronectin bridge **107**, 993
**Turner, A., Wells, B. and Roberts, K.** Plasmodesmata of maize root tips: structure and composition **107**, 3351
**Turner, C. E. and Miller, J. T.** Primary sequence of paxillin contains putative SH2 and SH3 domain binding motifs and multiple LIM domains: identification of a vinculin and pp125$^{Fak}$-binding region **107**, 1583
**Turner, C. E.** *See* Wood, C. K.
**Ueda, M. and Ogihara, S.** Microtubules are required in amoeba chemotaxis for preferential stabilization of appropriate pseudopods **107**, 2071
**Uemura, T.** *See* Mayer-Jaekel, R. E.
**Uezato, T.** *See* Simon-Assmann, P.
**Uitto, J. S.** *See* Chan, Y.-m.
**Umbhauer, M.** *See* Shi, D.-L.
**Underhill, C. B.** *See* Pavasant, P.
**Ursitti, J. A. and Fowler, V. M.** Immunolocalization of tropomodulin, tropomyosin and actin in spread human erythrocyte skeletons **107**, 1633
**Usuda, N., Hayashi, S., Fujiwara, S., Noguchi, T., Nagata, T., Sambasiva Rao, M., Alvares, K., Reddy, J. K. and Yeldandi, A. V.** Uric acid degrading enzymes, urate oxidase and allantoinase, are associated with different subcellular organelles in frog liver and kidney **107**, 1073
**Vale, R.** *See* Allan, V.
**Valembois, C.** *See* Montcourrier, P.
**Valencia, A.** *See* Lutcke, A.
**Valenti, G.** *See* Verbavatz, J. M.
**Valenzuela, D.** *See* Strittmatter, S. M.
**Valverde, M. A.** *See* Sardini, A.
**van de Kerkhof, P. C. M** *See* Alkemade, J. A. C.
**van de Kerkhof, P. C. M.** *See* van Ruissen, F.
**van de Velde, H. J. K., Roebroek, A. J. M., Senden, N. H. M., Ramaekers, F. C. S. and Van de Ven, W. J. M.** NSP-encoded reticulons, neuroendocrine proteins of a novel gene family associated with membranes of the endoplasmic reticulum **107**, 2403
**Van de Ven, W. J. M.** *See* van de Velde, H. J. K.
**van der Kraan, I.** *See* Wansink, D. G
**van der Zee, E., Everts, V., Hoeben, K. and Beertsen, W.** Immunolocalisation of collagenase in rabbit periosteal tissue explants and extraction of the enzyme. The effect of the cytokines IL-1$\alpha$ and EGF **107**, 1047
**van Driel, R.** *See* Wansink, D. G
**van Erp, P. E. J.** *See* Alkemade, J. A. C.
**van Erp, P. E. J.** *See* van Ruissen, F.
**van Golde, L. M. G.** *See* Gadella, B. M.
**Van Hoek, A. N.** *See* Verbavatz, J. M.
**Van Laerebeke, N.** *See* De Corte, V.
**van Peij, N.** *See* Osmani, A. H.
**van Ruissen, F., van Erp, P. E. J., de Jongh, G. J., Boezeman, J. B. M., van de Kerkhof, P. C. M. and Schalkwijk, J.** Cell kinetic characterization of growth arrest in cultured human keratinocytes **107**, 2219
**van Vlijmen-Willems, I. M. J. J.** *See* Alkemade, J. A. C.
**Vandaele, S. F. and Rieger, F.** Co-localization of 1,4-dihydropyridine receptor $\alpha_2/\delta$ subunit and N-CAM during early myogenesis in vitro **107**, 1217
**Vandekerckhove, J.** *See* De Corte, V.
**Vandenberghe, D.** *See* De Corte, V.
**Vandromme, M., Carnac, G., Gauthier-Rouviere, C., Fesquet, D., Lamb, N. and Fernandez, A.** Nuclear import of the myogenic factor MyoD requires cAMP-dependent protein kinase activity but not the direct phosphorylation of MyoD **107.2**, 613
**Vassilev, A.** *See* Kuriyama, R.
**Velez-Granell, C. S., Arias, A. E., Torres-Ruiz, J. A. and Bendayan, M.** Molecular chaperones in pancreatic tissue: the presence of cpn10, cpn60 and hsp70 in distinct compartments along the secretory pathway of the acinar cells **107.3**, 539
**Veras, P. S. T., de Chastellier, C., Moreau, M.-F., Villiers, V., Thibon, M., Mattei, D. and Rabinovitch, M.** Fusion between large phagocytic vesicles: targeting of yeast and other particulates to phagolysosomes that shelter the bacterium *Coxiella burnetii* or the protozoan *Leishmania amazonensis* in Chinese hamster ovary cells **107**, 3065
**Verbavatz, J. M., Van Hoek, A. N., Ma, T., Sabolic, I., Valenti, G., Ellisman, M. H., Ausiello, D. A., Verkman, A. S. and Brown, D.** A 28 kDa sarcolemmal antigen in kidney principal cell basolateral membranes: relationship to orthogonal arrays and MIP26 **107**, 1083
**Verkman, A. S.** *See* Verbavatz, J. M.
**Verni, F.** *See* Cenci, G.
**Veyrune, J. L.** *See* Rech, J.
**Vicker, M. G.** The regulation of chemotaxis and chemokinesis in *Dictyostelium* amoebae by temporal signals and spatial gradients of cyclic AMP **107.2**, 659
**Vie, A.** *See* Rech, J.
**Vig, B. K., Latour, D. and Frankovich, J.** Dissociation of minor satellite from the centromere in mouse **107**, 3091
**Villiers, V.** *See* Veras, P. S. T.
**Vincent, A. C.** *See* Simonson, G. D.
**Vinores, S. A.** *See* Campochiaro, P. A.
**Visa, N.** *See* Puvion-Dutilleul, F.
**Volberg, T.** *See* Citi, S.
**von Arnim, V.** *See* Jungbluth, A.
**von Eichel-Streiber, C.** *See* Just, I.
**Wachtler, F.** *See* Hozak, P.
**Wadsworth, P.** *See* Hush, J. M.
**Wagner, M., Rajasekaran, A. K., Hanzel, D. K., Mayor, S. and Rodriguez-Boulan, E.** Brefeldin A causes structural and functional alterations of the *trans* Golgi-network of MDCK cells **107**, 933
**Walchli, C., Koch, M., Chiquet, M., Odermatt, B. F. and Trueb, B.** Tissue-specific expression of the fibril-associated collagens XII and XIV **107.2**, 669
**Waleh, N. S.** *See* Clyman, R. I.
**Walker, G. R., Kane, R. and Burgess, D. R.** Isolation and characterization of a sea urchin zygote cortex that supports in vitro contraction and reactivation of furrowing **107**, 2239
**Walla, O. J., de Groot, E. J. and Schweiger, M.** On the molecular mechanism of the circadian clock: the 41,000 $M_r$ clock protein of *Chlorella* was identified as 3-phosphoglycerate kinase **107.2**, 719
**Wang, J., Satoh, M., Pierani, A., Schmitt, J., Chou, C.-H., Stunnenberg, H. G., Roeder, R. G. and Reeves, W. H.** Assembly and DNA binding of recombinant Ku (p70/p80) autoantigen defined by a novel monoclonal antibody specific for p70/p80 heterodimers **107**, 3223
**Wang, W.** *See* Gu, M.
**Wansink, D. G, Manders, E. E. M., van der Kraan, I., Aten, J. A., van Driel, R. and de Jong, L.** RNA polymerase II transcription is concentrated outside replication domains throughout S-phase **107**, 1449
**Warburton, M. J.** *See* Atherton, A. J.
**Wardale, R. J. and Duance, V. C.** Characterisation of articular and growth plate cartilage collagens in porcine osteochondrosis **107**, 47
**Warenius, H. M.** *See* Carsberg, C. J.
**Warren, S. L.** *See* Bregman, D. B.
**Watson, N., McGuire, V. and Alexander, S.** The PsB glycoprotein complex is secreted as a preassembled precursor of the spore coat in *Dictyostelium discoideum* **107**, 2567
**Wattenberg, B. W.** *See* Lecureux, L. W.
**Watterson, D. M.** *See* Harris, E.
**Weber, K.** *See* Hatzfeld, M.
**Weeks, G.** *See* Luo, Q.
**Wehland, J.** *See* Temm-Grove, C. J.
**Weijer, C. J.** *See* Siegert, F.
**Weiss, D. G.** *See* Langford, G. M.
**Weissig, H.** *See* Aberle, H.
**Wells, B.** *See* Turner, A.
**Wells, D. J.** *See* Dunckley, M. G.
**Wells, K. E.** *See* Dunckley, M. G.
**Werner, D.** *See* Todorov, I. T.

**Wheelock, M. J.** *See* Lewis, J. E.
**White, N. S.** *See* Bassim Hassan, A.
**White, R. A. H.** *See* Meadows, L. A.
**White, T. W.** *See* Bruzzone, R.
**Wick, M., Burger, C., Brusselbach, S., Lucibello, F. C. and Muller, R.** Identification of serum-inducible genes: different patterns of gene regulation during $G_0 \rightarrow S$ and $G_1 \rightarrow S$ progresssion **107**, 227
**Wick, M.** *See* Burger, C.
**Wiedermann, H.** *See* Brown, J. C.
**Wieschaus, E. F.** *See* Postner, M. A.
**Wilkerson, C. G., King, S. M. and Witman, G. B.** Molecular analysis of the γ heavy chain of *Chlamydomonas* flagellar outer-arm dynein **107.3**, 497
**Wilkes, J.** *See* Cunningham, A. C.
**Wilkins, J.** *See* Leung-Hagesteijn, C. Y.
**Williams, B. C. and Goldberg, M. L.** Determinants of *Drosophila* zw10 protein localization and function **107**, 785
**Willnow, T. E. and Herz, J.** Genetic deficiency in low density lipoprotein receptor-related protein confers cellular resistance to *Pseudomonas* exotoxin A: evidence that this protein is required for uptake and degradation of multiple ligands **107.3**, 719
**Wilson, P. J., Forer, A. and Leggiadro, C.** Evidence that kinetochore microtubules in crane-fly spermatocytes disassemble during anaphase primarily at the poleward end **107**, 3015
**Winckler, B., Gonzalez Agosti, C., Magendantz, M. and Solomon, F.** Analysis of a cortical cytoskeletal structure: a role for ezrin-radixin-moesin (ERM proteins) in the marginal band of chicken erythrocytes **107**, 2523
**Winter, G., Fuchs, M., McConville, M. J., Stierhof, Y.-D. and Overath, P.** Surface antigens of *Leishmania mexicana* amastigotes: characterization of glycoinositol phospholipids and a macrophage-derived glycosphingolipid **107**, 2471
**Witman, G. B.** *See* Wilkerson, C. G.
**Wolburg, H., Neuhaus, J., Kniesel, U., Krauß, B., Schmid, E.-M., Ocalan, M., Farrell, C. and Risau, W.** Modulation of tight junction structure in blood-brain barrier endothelial cells. Effects of tissue culture, second messengers and cocultured astrocytes **107**, 1347
**Wolffe, A. P.** The role of transcription factors, chromatin structure and DNA replication in 5 S RNA gene regulation **107**, 2055
**Wong, V. J.** *See* Rice, R. H.
**Woo, M. K. and Fowler, V. M.** Identification and characterization of tropomodulin in the adult rat lens **107**, 1359
**Wood, C. K., Turner, C. E., Jackson, P. and Critchley, D. R.** Characterisation of the paxillin-binding site and the C-terminal focal adhesion targeting sequence in vinculin **107.2**, 709
**Wright, D. M.** *See* McManus, J.
**Wright, M.** *See* Lajoie-Mazenc, I.
**Wright, N. A.** *See* Lu, Q.-L.
**Wu, C.-W.** *See* Tang, T. K.
**Wu, S.** *See* Tozeren, A.
**Wu, Y.** *See* Joly, E. C.
**Wunsch, U.** *See* Fullekrug, J.
**Xue, Y.** *See* Savage, C.
**Yaar, M.** *See* Hara, M.
**Yaar, M.** *See* Tang, A.
**Yabana, N.** *See* Hughes, D. A.
**Yaguchi, H.** *See* Kobori, H.
**Yamagata, M. and Kimata, K.** Repression of a malignant cell-substratum adhesion phenotype by inhibiting the production of the anti-adhesive proteoglycan, PG-M/versican **107**, 2581
**Yamamoto, A.** *See* Nakao, H.
**Yamamoto, A. H.** *See* Endow, S. A.
**Yamamoto, M.** *See* Hughes, D. A.
**Yamashita, K.** *See* Hayakawa, T.
**Yamashita, K.** *See* Poon, R. Y. C.
**Yanagida, M.** *See* Kobori, H.
**Yanagida, M.** *See* Yoshida, T.
**Yang, C. Z.** *See* Mollat, P.
**Yeh, B. and Svoboda, K. K. H.** Intracellular distribution of β-actin mRNA is polarized in embryonic corneal epithelia **107**, 105
**Yeldandi, A. V.** *See* Usuda, N.
**Yeo, J.-P., Forer, A. and Toh, B.-H.** A homologue of the human regulator of mitotic spindle assembly protein (RMSA-1) is present in crane fly and is associated with meiotic chromosomes **107**, 1845
**Yokota, E. and Mabuchi, I.** Isolation and characterization of a novel dyein that contains C and A heavy chains from sea urchin sperm flagellar axonemes **107.2**, 345
**Yokota, E. and Mabuchi, I.** C/A dynein isolated from sea urchin sperm flagellar axonemes. Enzymatic properties and interaction with microtubules **107.2**, 353
**Yoneda, Y.** *See* Matsuoka, Y.
**Yoshida, T., Ioshii, S. O., Imanaka-Yoshida, K. and Izutsu, K.** Association of cytoplasmic dynein with manchette microtubules and spermatid nuclear envelope during spermiogenesis in rats **107.3**, 625
**Yoshida, T., Toda, T. and Yanagida, M.** A calcineurin-like gene *ppb1*$^+$ in fission yeast: mutant defects in cytokinesis, cell polarity, mating and spindle pole body positioning **107**, 1725
**Young, D.** *See* Yu, G.
**Young, J. D.** *See* Chettibi, S.
**Yu, G., Swiston, J. and Young, D.** Comparison of human CAP and CAP2, homologs of the yeast adenylyl cyclase-associated proteins **107**, 1671
**Yu, Q.-C.** *See* Chan, Y.-m.
**Yu, R. K.** *See* Gillard, B. K.
**Yurchenco, P. D.** *See* Clyman, R. I.
**Zakhary, R.** *See* Savage, C.
**Zampighi, G.** *See* Bacallao, R.
**Zeeuwen, P. L. J. M.** *See* Alkemade, J. A. C.
**Zerial, M.** *See* Lutcke, A.
**Zerial, M.** *See* Pizon, V.
**Zhai, Y. and Borisy, G. G.** Quantitative determination of the proportion of microtubule polymer during the mitosis-interphase transition **107**, 881
**Zhang, D.** *See* Meindl, U.
**Zhang, Y.** *See* Mollat, P.
**Ziegler, G.** *See* Sloane, B. F.
**Ziemiecki, A** *See* Golsteyn, R. M.
**Zinkl, G. M.** *See* Schoenenberger, C.-A.
**Zuk, A.** *See* Schoenenberger, C.-A.
**Zweibaum, A.** *See* Chantret, I.

# Subject Index

To avoid possible confusion caused by the page numbering error in Volume 107 parts 2 and 3, all entries for these two issues are shown as either **107.2** for part 2 or **107.3** for part 3.


**Acetylated tubulin**
anaphase microtubule depolymerization: WILSON, FORER AND LEGGIADRO **107**, 3015.
**Acetylation**
glutamylated tubulin in developing neurons: AUDEBERT, KOULAKOFF, BERWALD-NETTER, GROS, DENOULET AND EDDE **107**, 2313.
**Acetylcholine receptor**
regulation of AChR assembly by PKA: JAYAWICKREME, GREEN AND CLAUDIO **107**, 1641.
**Aciculin**
aciculin in skeletal muscle: BELKIN AND BURRIDGE **107**, 1993.
**Acidification**
phagosomes and cancer cell invasion: MONTCOURRIER, MANGEAT, VALEMBOIS, SALAZAR, SAHUQUET, DUPERRAY AND ROCHEFORT **107**, 2381.
**Acrosomal process**
barbed-end-directed organelle motor: LANGFORD, KUZNETSOV, JOHNSON, COHEN AND WEISS **107**, 2291.
**Actin**
β-actin mRNA in embryonic corneal epithelia: YEH AND SVOBODA **107**, 105.
apoptosis in fibroblasts: KULKARNI AND MCCULLOCH **107**, 1169.
chemotaxis and chemokinesis in *Dictyostelium*: VICKER **107.2**, 659.
contact inhibition-like responses: NAGASAKI, LIAO AND GUNDERSEN **107**, 3413.
cytoskeleton and ion channel distribution: LEVINA, LEW AND HEATH **107**, 127.
endocytosis in Caco-2 cells: JACKMAN, SHURETY, ELLIS AND LUZIO **107**, 2547.
human CAP and CAP2: YU, SWISTON AND YOUNG **107**, 1671.
lens tropomodulin, tropomyosin and actin: WOO AND FOWLER **107**, 1359.
tyrosine phosphorylation of actin: JUNGBLUTH, VON ARNIM, BIEGELMANN, HUMBEL, SCHWEIGER AND GERISCH **107**, 117.
vimentin's tail: CARY, KLYMKOWSKY, EVANS, DOMINGO, DENT AND BACKHUS **107**, 1609.
**F-Actin binding**
embryonic expression of the Lsp1 gene: MISENER, HUI, MALAPITAN, ITTEL, JOYNER AND JONGSTRA **107**, 3591.
**Actin cross-linking protein**
30 kDa protein in contact regions: FECHHEIMER, INGALLS, FURUKAWA AND LUNA **107**, 2393.
**Actin cytoskeleton**
ATP depletion: I. Rearrangement of the actin cytoskeleton: BACALLAO, GARFINKEL, MONKE, ZAMPIGHI AND MANDEL **107**, 3301.
cell response to a cylindrical substratum: ROVENSKY AND SAMOILOV **107**, 1255.
unconventional myosin-mediated motility: D'ANDREA, DANON, SGOURDAS AND BONDER **107**, 2081.
**Actin filament**
barbed-end-directed organelle motor: LANGFORD, KUZNETSOV, JOHNSON, COHEN AND WEISS **107**, 2291.
cleavage furrow formation in sea urchin eggs: MABUCHI **107**, 1853.
*Listeria* subversion of the cytoskeleton: TEMM-GROVE, JOCKUSCH, ROHDE, NIEBUHR, CHAKRABORTY AND WEHLAND **107**, 2951.
**α-Actinin**
α-actinin effects on cell motility and tumorigenicity: GLUCK AND BEN-ZE'EV **107**, 1773.
**Actin isoform**
localisation of β-actin in smooth muscle: NORTH, GIMONA, LANDO AND SMALL **107.3**, 445.
**Actin microfilament**
actin microfilaments in living *Micrasterias* cells: MEINDL, ZHANG AND HEPLER **107**, 1929.
tropomyosin isoforms in rat neurons: HAD, FAIVRE-SARRAILH, LEGRAND, MERY, BRUGIDOU AND RABIE **107**, 2963.
**Actin mRNA**
β-actin mRNA in embryonic corneal epithelia: YEH AND SVOBODA **107**, 105.
**Activation**
LFA-1 redistribution upon ICAM-1 adhesion: MEIJNE, DRIESSENS, LA RIVIERE, CASEY, FELTKAMP AND ROOS **107**, 2557.
**β-Adaptin**
plant adaptins: HOLSTEIN, DRUCKER AND ROBINSON **107**, 945.
*Drosophila* β-adaptin: CAMIDGE AND PEARSE **107.3**, 709.
**Adenosine 3′,5′ cyclic monophosphate (cAMP)**
multiple phosphorylation-induced death types: GJERTSEN, CRESSEY, RUCHAUD, HOUGE, LANOTTE AND DOSKELAND **107**, 3363.
**Adenovirus type 5**
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
**Adenylyl cyclase**
human CAP and CAP2: YU, SWISTON AND YOUNG **107**, 1671.
**Adherens junction**
a novel phosphoglucomutase-related component of adherens junctions: BELKIN, KLIMANSKAYA, LUKASHEV, LILLEY, CRITCHLEY AND KOTELIANSKY **107**, 159.
aciculin in skeletal muscle: BELKIN AND BURRIDGE **107**, 1993.
actin and tight junctions: STEVENSON AND BEGG **107.3**, 367.
**Adhesion**
cadherins in melanocyte-keratinocyte interaction: TANG, ELLER, HARA, YAAR, HIROHASHI AND GILCHREST **107**, 983.
epican mediates cell-cell adhesion: MILSTONE, HOUGH-MONROE, KUGELMAN, BENDER AND HAGGERTY **107**, 3183.
immunoglobulin structural motifs: HOLNESS AND SIMMONS **107**, 2065.
integrin $\alpha_6\beta_4$ mediates rolling on laminin: TOZEREN, KLEINMAN, WU, MERCURIO AND BYERS **107**, 3153.
integrin-binding sites in VCAM-1: CLEMENTS, NEWHAM, SHEPHERD, GILBERT, DUDGEON, NEEDHAM, EDWARDS, BERRY, BRASS AND HUMPHRIES **107**, 2127.
laminin, integrins and muscle migration: CLYMAN, TANNENBAUM, CHEN, COOPER, YURCHENCO, KRAMER AND WALEH **107**, 1007.
neutrophil dispersive locomotion: CHETTIBI, LAWRENCE, YOUNG, LAWRENCE AND STEVENSON **107**, 3173.
novel GPI-anchored adhesion protein: RABINO, TRUSOLINO, PRAT, CREMONA, SAVOIA AND MARCHISIO **107**, 1413.
substratum adhesion and scatter factor activity: CLARK **107**, 1265.
**Adhesion molecule**
DHP receptor $\alpha_2/\delta$ subunit, N-Cam and myogenesis: VANDAELE AND RIEGER **107**, 1217.
**Adhesion plaque**
$\beta_1$ integrin localization in fibroblasts: MEIJNE, CASEY, FELTKAMP AND ROOS **107**, 1229.
**AFM**
AFM of MDCK cells: HOH AND SCHOENENBERGER **107**, 1105.
**Aggregation**
epican mediates cell-cell adhesion: MILSTONE, HOUGH-MONROE, KUGELMAN, BENDER AND HAGGERTY **107**, 3183.
*Salmonella* aggregates surface proteins: GARCIA-DEL PORTILLO,

GRACIELA PUCCIARELLI, JEFFERIES AND FINLAY **107**, 2005.

**A-kinase**
A-kinase and MyoD localisation: VANDROMME, CARNAC, GAUTHIER-ROUVIERE, FESQUET, LAMB AND FERNANDEZ **107.2**, 613.

**Alginate**
phenotypic stability of chondrocytes: HAUSELMANN, FERNANDES, MOK, SCHMID, BLOCK, AYDELOTTE, KUETTNER AND THONAR **107**, 17.

**Allantoinase**
urate oxidase and allantoinase localization: USUDA, HAYASHI, FUJIWARA, NOGUCHI, NAGATA, SAMBASIVA RAO, ALVARES, REDDY AND YELDANDI **107**, 1073.

**Alternative splicing**
alternative pre-mRNA splicing: NORTON **107**, 1.
alternative splicing of the RCC1 gene: MIYABASHIRA, SEKIGUCHI AND NISHIMOTO **107**, 2203.

**Amastigote**
glycolipids of *Leishmania mexicana*: WINTER, FUCHS, MCCONVILLE, STIERHOF AND OVERATH **107**, 2471.

**Amino acid composition**
keratinocyte cell envelope proteins: STEVEN AND STEINERT **107.2**, 693.

**Aminopeptidase N**
human mammary fibroblast sub-populations: ATHERTON, O'HARE, BULUWELA, TITLEY, MONAGHAN, PATERSON, WARBURTON AND GUSTERSON **107**, 2931.

**Ammonia sensitivity**
slugger mutants of *Dictyostelium*: GEE, RUSSELL AND GROSS **107.2**, 701.

**Amoeba chemotaxis**
role of microtubules in chemotaxis: UEDA AND OGIHARA **107**, 2071.

**Amoeboid locomotion**
MSP filaments in *Ascaris* sperm: KING, STEWART AND ROBERTS **107**, 2941.

**Amphibian**
expression of FGFR-3 in amphibian embryo: SHI, FROMENTOUX, LAUNAY, UMBHAUER AND BOUCAUT **107.3**, 417.

**Anaphase**
truncated cyclin B in *Drosophila*: RIMMINGTON, DALBY AND GLOVER **107**, 2729.

**Anaphase chromosome motion**
anaphase microtubule depolymerization: WILSON, FORER AND LEGGIADRO **107**, 3015.

**Anaphase onset**
*Drosophila* zw10 protein: WILLIAMS AND GOLDBERG **107**, 785.

**Angiogenesis**
function of syndecans: ELENIUS AND JALKANEN **107**, 2975.
thrombospondin production by endothelial cells: RAYCHAUDHURY, FRAZIER AND D'AMORE **107**, 39.

**Annexin I**
annexin I and II levels in pancreatic islets: OHNISHI, TOKUDA, MASAKI, FUJIMURA, TAI, MATSUI, ITANO, ISHIDA, TAKAHARA, KONISHI AND HATASE **107**, 2117.

**Annexin II**
annexin I and II levels in pancreatic islets: OHNISHI, TOKUDA, MASAKI, FUJIMURA, TAI, MATSUI, ITANO, ISHIDA, TAKAHARA, KONISHI AND HATASE **107**, 2117.
extracellular annexin II in keratinocytes: MA, BELL, MITTAL AND HARRISON **107**, 1973.

**Annulus**
domain boundaries at the annulus: CESARIO AND BARTLES **107.2**, 561.

**Anoxia**
tyrosine phosphorylation of actin: JUNGBLUTH, VON ARNIM, BIEGELMANN, HUMBEL, SCHWEIGER AND GERISCH **107**, 117.

**Anti-adhesion**
anti-adhesive proteoglycan: YAMAGATA AND KIMATA **107**, 2581.
laminin, integrins and muscle migration: CLYMAN, TANNENBAUM, CHEN, COOPER, YURCHENCO, KRAMER AND WALEH **107**, 1007.

**Antibody**
a conserved membrane protein of the Golgi: PRYDE **107**, 3425.

**Antigen presentation**
*Leishmania donovani*-infected macrophages: LANG, HELLIO, KAYE AND ANTOINE **107**, 2137.

**Antipeptide antiserum**
tropomyosin isoforms in rat neurons: HAD, FAIVRE-SARRAILH, LEGRAND, MERY, BRUGIDOU AND RABIE **107**, 2963.

**Antisense cDNA**
anti-adhesive proteoglycan: YAMAGATA AND KIMATA **107**, 2581.

**Antitumor agents**
HSPG specific immunotoxin: MESRI, ONO, KREITMAN, KLAGSBRUN AND PASTAN **107**, 2599.

**Aorta**
endothelial cell connecting filament composition: DAVIS **107.3**, 727.

**Apical cytoskeleton**
apical cytoskeleton in epithelia: RODRIGUEZ, BRIGNONI AND SALAS **107**, 3145.

**Apical sorting**
apical protein targeting in AR42J cells: COLOMER, RINDLER AND LOWE **107**, 2271.

**ApoE**
LRP defect causes *Pseudomonas* exotoxin A resistance: WILLNOW AND HERZ **107.3**, 719.

**Apoptosis**
apoptosis in fibroblasts: KULKARNI AND MCCULLOCH **107**, 1169.
apoptosis in the gut: HALL, COATES, ANSARI AND HOPWOOD **107**, 3569.
keratinocyte cell envelope proteins: STEVEN AND STEINERT **107.2**, 693.
large DNA fragments in apoptosis of U937: BICKNELL, SNOWDEN AND COHEN **107**, 2483.
macrophages and embryonic wound healing: HOPKINSON-WOOLLEY, HUGHES, GORDON AND MARTIN **107**, 1159.

***Armadillo* multigene family**
cloning of desmosomal band 6 protein: HATZFELD, KRISTJANSSON, PLESSMANN AND WEBER **107**, 2259.

**Articular cartilage**
phenotypic stability of chondrocytes: HAUSELMANN, FERNANDES, MOK, SCHMID, BLOCK, AYDELOTTE, KUETTNER AND THONAR **107**, 17.

***Aspergillus nidulans***
*A. nidulans nimX*$^{cdc2}$: OSMANI, VAN PEIJ, MISCHKE, O'CONNELL AND OSMANI **107**, 1519.

**Assembly**
N-terminal motifs important to GFAP assembly: RALTON, LU, HUTCHESON AND QUINLAN **107**, 1935.
regulation of AChR assembly by PKA: JAYAWICKREME, GREEN AND CLAUDIO **107**, 1641.
truncation analysis of *Dictyostelium* myosin: LEE, EGELHOFF AND SPUDICH **107**, 2875.

**Astrocyte**
a 28 kDa orthogonal array protein in kidney: VERBAVATZ, VAN HOEK, MA, SABOLIC, VALENTI, ELLISMAN, AUSIELLO, VERKMAN AND BROWN **107**, 1083.
astrocyte neurite growth inhibitor: SMITH-THOMAS, FOK-SEANG, STEVENS, DU, MUIR, FAISSNER, GELLER, ROGERS AND FAWCETT **107**, 1687.
calmodulin and p62 in hepatocytes and astrocytes: PORTOLES, FAURA, RENAU-PIQUERAS, IBORRA, SAEZ, GUERRI, SERRATOSA, RIUS AND BACHS **107**, 3601.
effects of astrocytes on fibronectin: JIANG, LIOU, BEHZADIAN AND CALDWELL **107**, 2499.
endothelial tight junctions in blood-brain barrier: WOLBURG,

NEUHAUS, KNIESEL, KRAUß, SCHMID, OCALAN, FARRELL AND RISAU **107**, 1347.
function of Thy-1's GPI anchor: TIVERON, NOSTEN-BERTRAND, JANI, GARNETT, HIRST, GROSVELD AND MORRIS **107**, 1783.
**Atomic force microscopy**
scanning force microscopy of cells: PIETRASANTA, SCHAPER AND JOVIN **107**, 2427.
**ATP-binding site**
*Chlamydomonas* γ dynein heavy chain: WILKERSON, KING AND WITMAN **107.3**, 497.
**ATP depletion**
ATP depletion: II. Internalization of $Na^+$,$K^+$-ATPase and E-cadherin: MANDEL, DOCTOR AND BACALLAO **107**, 3315.
ATP depletion: I. Rearrangement of the actin cytoskeleton: BACALLAO, GARFINKEL, MONKE, ZAMPIGHI AND MANDEL **107**, 3301.
**ATP receptor**
ATP receptors and secretion in PC12 cells: BARRY AND CHEEK **107.2**, 451.
**AtT-20 cell**
temperature effects on granule proteins: MILGRAM AND MAINS **107.3**, 737.
**Attachment**
integrins in melanocyte attachment and dendricity: HARA, YAAR, TANG, ELLER, REENSTRA AND GILCHREST **107**, 2739.
**Axon**
tau and microtubule stability: BAAS, PIENKOWSKI, CIMBALNIK, TOYAMA, BAKALIS, AHMAD AND KOSIK **107**, 135.
**Axon regeneration**
astrocyte neurite growth inhibitor: SMITH-THOMAS, FOK-SEANG, STEVENS, DU, MUIR, FAISSNER, GELLER, ROGERS AND FAWCETT **107**, 1687.
**Axonal growth**
a morphoregulatory domain in GAP-43: STRITTMATTER, VALENZUELA AND FISHMAN **107**, 195.
**Axonal transport**
barbed-end-directed organelle motor: LANGFORD, KUZNETSOV, JOHNSON, COHEN AND WEISS **107**, 2291.
**Axoneme**
a kinesin-related protein of the central pair apparatus: JOHNSON, HAAS AND ROSENBAUM **107**, 1551.
**β-Adrenergic receptor**
$[Ca^{2+}]_i$ in tracheal epithelial cells: DAVIS, SILSKI AND PEREZ **107**, 2899.
**β3 Adrenergic receptor**
uncoupling protein expression in HIB 1B cell line: KLAUS, CHOY, CHAMPIGNY, CASSARD-DOULCIER, ROSS, SPIEGELMAN AND RICQUIER **107**, 313.
**Baculovirus**
baculovirus expression of a kinesin-like protein: KURIYAMA, DRAGAS-GRANOIC, MAEKAWA, VASSILEV, KHODJAKOV AND KOBAYASHI **107**, 3485.
**BAD1**
*Drosophila* β-adaptin: CAMIDGE AND PEARSE **107.3**, 709.
**Band 6 protein**
cloning of desmosomal band 6 protein: HATZFELD, KRISTJANSSON, PLESSMANN AND WEBER **107**, 2259.
**Band4.1 superfamily**
structural diversity of band 4.1 superfamily members: TAKEUCHI, KAWASHIMA, NAGAFUCHI AND TSUKITA **107**, 1921.
**Basement membrane**
binding properties of laminin isoforms: BROWN, WIEDEMANN AND TIMPL **107**, 329.
**B chromosome**
origin of the *Crepis capillaris* B chromosome: JAMILENA, RUIZ REJON AND RUIZ REJON **107.3**, 703.
***bcl-2***
*bcl-2* and cell cycle in epithelial cells: LU, HANBY, NASSER HAJIBAGHERI, GSCHMEISSNER, LU, TAYLOR-PAPADIMITRIOU, KRAJEWSKI, REED AND WRIGHT **107.2**, 363.
**Bile canaliculi**
WIF-B cells: a polarized hepatoma hybrid: SHANKS, CASSIO, LECOQ AND HUBBARD **107**, 813.
**Binding site**
immunoglobulin structural motifs: HOLNESS AND SIMMONS **107**, 2065.
**Biological time**
chemotaxis and chemokinesis in *Dictyostelium*: VICKER **107.2**, 659.
**Biotin-dUTP**
repair of DNA damage and the nucleoskeleton: JACKSON, BALAJEE, MULLENDERS AND COOK **107**, 1745.
replication and transcription sites: BASSIM HASSAN, ERRINGTON, WHITE, JACKSON AND COOK **107.2**, 425.
**Biotinylated probe**
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
**Bipolar monocentric division**
polar centres in male sciarid meiosis: FUGE **107**, 299.
**Bladder cancer**
C-CAM isoforms in bladder carcinoma cells: HUNTER, LINDH AND OBRINK **107**, 1205.
**Blood-brain barrier**
endothelial tight junctions in blood-brain barrier: WOLBURG, NEUHAUS, KNIESEL, KRAUß, SCHMID, OCALAN, FARRELL AND RISAU **107**, 1347.
**Blood-formation**
the $Cx43^+$ gap junction network in haemopoietic tissue: ROSENDAAL, GREEN, RAHMAN AND MORGAN **107**, 29.
**Bone**
effect of TGF-β on osteoprogenitor cells: CRITCHLOW, BLAND AND ASHHURST **107.2**, 499.
**Bone resorption**
osteoclast G proteins: ARKETT, DIXON AND SIMS **107.2**, 517.
**Bradykinin**
$[Ca^{2+}]_i$ in tracheal epithelial cells: DAVIS, SILSKI AND PEREZ **107**, 2899.
**Brain development**
expression of FGFR-3 in amphibian embryo: SHI, FROMENTOUX, LAUNAY, UMBHAUER AND BOUCAUT **107.3**, 417.
**BrdU (see Bromodeoxyuridine)**
**Breast cancer**
coiled bodies in the nucleolus: OCHS, STEIN JR AND TAN **107.2**, 385.
phagosomes and cancer cell invasion: MONTCOURRIER, MANGEAT, VALEMBOIS, SALAZAR, SAHUQUET, DUPERRAY AND ROCHEFORT **107**, 2381.
*ras* and cathepsin B trafficking: SLOANE, MOIN, SAMENI, TAIT, ROZHIN AND ZIEGLER **107.2**, 373.
**Breast carcinoma**
breast carcinoma cell adhesions: DEPASQUALE, SAMSONOFF AND GIERTHY **107**, 1241.
**Brefeldin A**
brefeldin A and the TGN of MDCK cells: WAGNER, RAJASEKARAN, HANZEL, MAYOR AND RODRIGUEZ-BOULAN **107**, 933.
**Bromodeoxyuridine**
nuclear distribution of PCNA in starfish eggs: NOMURA **107**, 3291.
**Bromodeoxyuridine labelling**
structural stability of replicon clusters: SPARVOLI, LEVI AND ROSSI **107**, 3097.
**Brown fat thermogenesis**
uncoupling protein expression in HIB 1B cell line: KLAUS, CHOY, CHAMPIGNY, CASSARD-DOULCIER, ROSS, SPIEGELMAN AND RICQUIER **107**, 313.
**Brush border**
endocytosis in Caco-2 cells: JACKMAN, SHURETY, ELLIS AND LUZIO **107**, 2547.

myosins of the brush border cytoskeleton: HEINTZELMAN, HASSON AND MOOSEKER **107**, 3535.
**BrUTP**
intranucleolar structure and rRNA synthesis: HOZAK, COOK, SCHOFER, MOSGOLLER AND WACHTLER **107.2**, 639.
replication and transcription sites: BASSIM HASSAN, ERRINGTON, WHITE, JACKSON AND COOK **107.2**, 425.
**Budding yeast**
assay for mitotic forces in yeast: BROCK AND BLOOM **107**, 891.
**Bundling**
MAP2 function: FERRALLI, DOLL AND MATUS **107**, 3115.
**C-CAM**
C-CAM isoforms in bladder carcinoma cells: HUNTER, LINDH AND OBRINK **107**, 1205.
***c-myc***
phenotypic change in intratypic T-cell hybrids: KUBOTA AND NAKAZATO **107**, 2761.
**$Ca^{2+}$**
$Ca^{2+}$ and *Chlamydomonas* flagellar regeneration: CHESHIRE, EVANS AND KELLER **107**, 2491.
**$Ca^{2+}$ channel**
DHP receptor $\alpha_2/\delta$ subunit, N-Cam and myogenesis: VANDAELE AND RIEGER **107**, 1217.
**Caco-2**
apical secretion of gp80 in Caco-2 cells: APPEL AND KOCH-BRANDT **107.2**, 553.
forskolin perturbs cytokeratin network: BARICAULT, DE NECHAUD, SAPIN, CODOGNO, DENOULET AND TRUGNAN **107**, 2909.
sucrase-isomaltase of Caco-2 clones: CHANTRET, RODOLOSSE, BARBAT, DUSSAULX, BROT-LAROCHE, ZWEIBAUM AND ROUSSET **107**, 213.
**Cadherin**
cadherin-catenin complex assembly: ABERLE, BUTZ, STAPPERT, WEISSIG, KEMLER and HOSCHUETZKY **107**, 3655.
cadherins in melanocyte-keratinocyte interaction: TANG, ELLER, HARA, YAAR, HIROHASHI AND GILCHREST **107**, 983.
characterization of cadherin-4 and cadherin-5: TANIHARA, KIDO, OBATA, HEIMARK, DAVIDSON, ST JOHN AND SUZUKI **107**, 1697.
E-Cadherin signaling through PKC: LEWIS, JENSEN, JOHNSON AND WHEELOCK **107**, 3615.
novel GPI-anchored adhesion protein: RABINO, TRUSOLINO, PRAT, CREMONA, SAVOIA AND MARCHISIO **107**, 1413.
***Caenorhabditis elegans***
*C. elegans* β-tubulin mutations: SAVAGE, XUE, MITANI, HALL, ZAKHARY AND CHALFIE **107**, 2165.
**CAK**
regulation of CAK: POON, YAMASHITA, HOWELL, ERSHLER, BELYAVSKY AND HUNT **107**, 2789.
**Calcineurin**
role of fission yeast ppb1 phosphatase: YOSHIDA, TODA AND YANAGIDA **107**, 1725.
**Calcium**
a novel role for E- and P-selectins: KAPLANSKI, FARNARIER, BENOLIEL, FOA, KAPLANSKI AND BONGRAND **107**, 2449.
apoptosis in fibroblasts: KULKARNI AND MCCULLOCH **107**, 1169.
ATP receptors and secretion in PC12 cells: BARRY AND CHEEK **107.2**, 451.
behavior of the pericentriolar lattice: BARON, SUMAN, NEMETH AND SALISBURY **107**, 2993.
cellular targets of H-7: CITI, VOLBERG, BERSHADSKY, DENISENKO AND GEIGER **107.3**, 683.
mechanically-induced calcium changes: BOITANO, SANDERSON AND DIRKSEN **107**, 3037.
**Calcium binding protein(CaBP1)**
CaBP1 is not a resident protein of the intermediate compartment: FULLEKRUG, SONNICHSEN, WUNSCH, ARSEVEN, NGUYEN VAN, SOLING AND MIESKES **107**, 2719.
**Calcium oscillations**
$[Ca^{2+}]_i$ in *Xenopus* eggs and embryos: KEATING, CORK AND ROBINSON **107**, 2229.
**Calcium transport**
microtubule tracks in mouse oocytes: DE PENNART, CIBERT, PETZELT AND MARO **107**, 1899.
**Calcium wave**
mechanically-induced calcium changes: BOITANO, SANDERSON AND DIRKSEN **107**, 3037.
**Callogen**
phenotypic stability of chondrocytes: HAUSELMANN, FERNANDES, MOK, SCHMID, BLOCK, AYDELOTTE, KUETTNER AND THONAR **107**, 17.
**Callose**
extraction of plasmodesmata: TURNER, WELLS AND ROBERTS **107**, 3351.
**Calmodulin**
calmodulin and p62 in hepatocytes and astrocytes: PORTOLES, FAURA, RENAU-PIQUERAS, IBORRA, SAEZ, GUERRI, SERRATOSA, RIUS AND BACHS **107**, 3601.
calmodulin binding to myosin-1: COLUCCIO **107**, 2279.
in vivo analysis of calmodulin in yeast: HARRIS, WATTERSON AND THORNER **107**, 3235.
**Calponin**
calponin localisation in smooth muscle: NORTH, GIMONA, CROSS AND SMALL **107.3**, 437.
**Calreticulin**
inhibition of cell attachment by downregulation of calreticulin expression: LEUNG-HAGESTEIJN, MILANKOV, MICHALAK, WILKINS AND DEDHAR **107.3**, 589.
retention and retrieval of calreticulin: SONNICHSEN, FULLEKRUG, NGUYEN VAN, DIEKMANN, ROBINSON AND MIESKES **107**, 2705.
**Calyculin A**
okadaic acid and H1 dephosphorylation: PAULSON, CIESIELSKI, SCHRAM AND MESNER **107**, 267.
**cAMP**
$[Ca^{2+}]_i$ in tracheal epithelial cells: DAVIS, SILSKI AND PEREZ **107**, 2899.
endothelial tight junctions in blood-brain barrier: WOLBURG, NEUHAUS, KNIESEL, KRAUß, SCHMID, OCALAN, FARRELL AND RISAU **107**, 1347.
**Cancer cell line**
GPI-membrane anchor and intracellular accumulation of proteins: NICOLAS, TIVERON, DAVOUST AND REGGIO **107**, 2679.
**Cancer cell**
HSPG specific immunotoxin: MESRI, ONO, KREITMAN, KLAGSBRUN AND PASTAN **107**, 2599.
**CAP**
human CAP and CAP2: YU, SWISTON AND YOUNG **107**, 1671.
**Capacitation**
glycolipid polarity dynamics at the sperm surface: GADELLA, GADELLA JR, COLENBRANDER, VAN GOLDE AND LOPES-CARDOZO **107**, 2151.
**Capping**
*Salmonella* aggregates surface proteins: GARCIA-DEL PORTILLO, GRACIELA PUCCIARELLI, JEFFERIES AND FINLAY **107**, 2005.
**Carcinoembryonic antigen**
GPI-membrane anchor and intracellular accumulation of proteins: NICOLAS, TIVERON, DAVOUST AND REGGIO **107**, 2679.
**Cartilage**
collagens in osteochondrosis: WARDALE AND DUANCE **107**, 47.
effect of TGF-β on osteoprogenitor cells: CRITCHLOW, BLAND AND ASHHURST **107.2**, 499.
**Casein kinase**
nuclear import of SRF: RECH, BARLAT, VEYRUNE, VIE AND BLANCHARD **107**, 3029.

**Catalytic P-loop**
*Paramecium* dyneins: ASAI, BECKWITH, KANDL, KEATING, TJANDRA AND FORNEY **107**, 839.
**Catenin**
cadherin-catenin complex assembly: ABERLE, BUTZ, STAPPERT, WEISSIG, KEMLER and HOSCHUETZKY **107**, 3655.
characterization of cadherin-4 and cadherin-5: TANIHARA, KIDO, OBATA, HEIMARK, DAVIDSON, ST JOHN AND SUZUKI **107**, 1697.
**Cathepsin**
*ras* and cathepsin B trafficking: SLOANE, MOIN, SAMENI, TAIT, ROZHIN AND ZIEGLER **107.2**, 373.
**CD8**
function of Thy-1's GPI anchor: TIVERON, NOSTEN-BERTRAND, JANI, GARNETT, HIRST, GROSVELD AND MORRIS **107**, 1783.
**CD10**
human mammary fibroblast sub-populations: ATHERTON, O'HARE, BULUWELA, TITLEY, MONAGHAN, PATERSON, WARBURTON AND GUSTERSON **107**, 2931.
**CD13**
human mammary fibroblast sub-populations: ATHERTON, O'HARE, BULUWELA, TITLEY, MONAGHAN, PATERSON, WARBURTON AND GUSTERSON **107**, 2931.
**CD26**
human mammary fibroblast sub-populations: ATHERTON, O'HARE, BULUWELA, TITLEY, MONAGHAN, PATERSON, WARBURTON AND GUSTERSON **107**, 2931.
**CD44**
CD44 cytoplasmic domain: ISACKE **107**, 2353.
epican mediates cell-cell adhesion: MILSTONE, HOUGH-MONROE, KUGELMAN, BENDER AND HAGGERTY **107**, 3183.
hyaluronan in the growth plate: PAVASANT, SHIZARI AND UNDERHILL **107**, 2669.
**CDC (cell division cycle)**
role of yeast MAP kinase homolog: FUJIMURA **107**, 2617.
**cdc2**
CDK2 functions in *S. pombe*: PARIS, LEPLATOIS AND NURSE **107.3**, 615.
Protein phosphatase 2A substrate specificity: MAYER-JAEKEL, OHKURA, FERRIGNO, ANDJELKOVIC, SHIOMI, UEMURA, GLOVER AND HEMMINGS **107**, 2609.
**cdc2 kinase**
meiotic cell cycles in *Xenopus* oocytes: OHSUMI, SAWADA AND KISHIMOTO **107**, 3005.
**cdc5**
cell cycle analysis of a human polo-like protein kinase: GOLSTEYN, SCHULTZ, BARTEK, ZIEMIECKI, RIED AND NIGG **107**, 1509.
**cdc19**
*S. pombe cdc19*$^{+}$ gene encodes MCM2 homologue: FORSBURG AND NURSE **107**, 2779.
***cdc* mutant**
H1 histone kinase in *S. pombe*: CREANOR AND MITCHISON **107**, 1197.
**Cdk gene**
regulation of cell cycle genes: BURGER, WICK AND MULLER **107**, 2047.
**CDK2**
CDK2 functions in *S. pombe*: PARIS, LEPLATOIS AND NURSE **107.3**, 615.
**cDNA library**
SC proteins: DOBSON, PEARLMAN, KARAISKAKIS, SPYROPOULOS AND MOENS **107**, 2749.
**Cell adhesion**
30 kDa protein in contact regions: FECHHEIMER, INGALLS, FURUKAWA AND LUNA **107**, 2393.
cell-cell adhesion and gp80 expression in *Dictyostelium*: DESBARATS, BRAR AND SIU **107**, 1705.
characterization of cadherin-4 and cadherin-5: TANIHARA, KIDO, OBATA, HEIMARK, DAVIDSON, ST JOHN AND SUZUKI **107**, 1697.
GAG effect on neurite outgrowth and polarity: FERNAUD-ESPINOSA, NIETO-SAMPEDRO AND BOVOLENTA **107**, 1437.
N-CAM and pancreatic islet architecture: CIRULLI, BAETENS, RUTISHAUSER, HALBAN, ORCI AND ROUILLER **107**, 1429.
tenascin-R and tenascin-C block fibronectin-mediated adhesion: PESHEVA, PROBSTMEIER, SKUBITZ, MCCARTHY, FURCHT AND SCHACHNER **107**, 2323.
**Cell adhesion molecule**
C-CAM isoforms in bladder carcinoma cells: HUNTER, LINDH AND OBRINK **107**, 1205.
connectin in *Drosophila* embryogenesis: MEADOWS, GELL, BROADIE, GOULD AND WHITE **107**, 321.
**Cell attachment**
inhibition of cell attachment by downregulation of calreticulin expression: LEUNG-HAGESTEIJN, MILANKOV, MICHALAK, WILKINS AND DEDHAR **107.3**, 589.
**Cell behaviour**
cell response to a cylindrical substratum: ROVENSKY AND SAMOILOV **107**, 1255.
**Cell-cell contact**
contact inhibition-like responses: NAGASAKI, LIAO AND GUNDERSEN **107**, 3413.
**Cell-cell signaling**
cloning of desmosomal band 6 protein: HATZFELD, KRISTJANSSON, PLESSMANN AND WEBER **107**, 2259.
**Cell culture**
growth arrest of human keratinocytes: VAN RUISSEN, VAN ERP, DE JONGH, BOEZEMAN, VAN DE KERKHOF AND SCHALKWIJK **107**, 2219.
spontaneous corneal epithelial cell line: CASTRO-MUNOZLEDO **107**, 2343.
**Cell cycle**
alternative splicing of cyclin E: SEWING, RONICKE, BURGER, FUNK AND MULLER **107.2**, 581.
an 89 kDa S phase protein kinase: GALE JR, CARTER AND PARSONS **107**, 1825.
*bcl-2* and cell cycle in epithelial cells: LU, HANBY, NASSER HAJIBAGHERI, GSCHMEISSNER, LU, TAYLOR-PAPADIMITRIOU, KRAJEWSKI, REED AND WRIGHT **107.2**, 363.
CDK2 functions in *S. pombe*: PARIS, LEPLATOIS AND NURSE **107.3**, 615.
cell cycle analysis of a human polo-like protein kinase: GOLSTEYN, SCHULTZ, BARTEK, ZIEMIECKI, RIED AND NIGG **107**, 1509.
cyclin in cell cycle exit: FORSBURG AND NURSE **107.3**, 601.
cytostellin in nuclear speckles: BREGMAN, DU, LI, RIBISI AND WARREN **107.3**, 387.
truncated cyclin B in *Dictyostelium* cell division: LUO, MICHAELIS AND WEEKS **107**, 3105.
growth arrest of human keratinocytes: VAN RUISSEN, VAN ERP, DE JONGH, BOEZEMAN, VAN DE KERKHOF AND SCHALKWIJK **107**, 2219.
H1 histone kinase in *S. pombe*: CREANOR AND MITCHISON **107**, 1197.
induction of 'metabolic genes': BURGER, WICK, BRUSSELBACH AND MULLER **107**, 241.
mitogen-induced genes: WICK, BURGER, BRUSSELBACH, LUCIBELLO AND MULLER **107**, 227.
multiple phosphorylation-induced death types: GJERTSEN, CRESSEY, RUCHAUD, HOUGE, LANOTTE AND DOSKELAND **107**, 3363.
nuclear distribution of PCNA in starfish eggs: NOMURA **107**, 3291.
okadaic acid and cell division: DAS, GALE JR, CARTER AND PARSONS **107**, 3477.
regulation of CAK: POON, YAMASHITA, HOWELL, ERSHLER, BELYAVSKY AND HUNT **107**, 2789.
regulation of cell cycle genes: BURGER, WICK AND MULLER **107**, 2047.

replication and transcription sites: BASSIM HASSAN, ERRINGTON, WHITE, JACKSON AND COOK **107.2**, 425.
*S. pombe cdc19*$^{+}$ gene encodes MCM2 homologue: FORSBURG AND NURSE **107**, 2779.
structural stability of replicon clusters: SPARVOLI, LEVI AND ROSSI **107**, 3097.
transcription and initiation of replication: BASSIM HASSAN AND COOK **107**, 1381.
trypanosomatid DNA replication genes: PASION, BROWN, BROWN AND RAY **107**, 3515.

**Cell cycle control**
M phase entry in mouse oocytes: GAVIN, CAVADORE AND SCHORDERET-SLATKINE **107**, 275.

**Cell cycle regulation**
*A. nidulans nimX*$^{cdc2}$: OSMANI, VAN PEIJ, MISCHKE, O'CONNELL AND OSMANI **107**, 1519.
meiotic cell cycles in *Xenopus* oocytes: OHSUMI, SAWADA AND KISHIMOTO **107**, 3005.

**Cell cycle variability**
DNA synthesis in *Xenopus* egg extracts: HOLA, CASTLEDEN, HOWARD AND BROOKS **107**, 3045.

**Cell death**
drug-induced apoptosis in SCG neurons: TOMKINS, EDWARDS AND TOLKOVSKY **107**, 1499.
multiple phosphorylation-induced death types: GJERTSEN, CRESSEY, RUCHAUD, HOUGE, LANOTTE AND DOSKELAND **107**, 3363.
programmed cell death in *Dictyostelium*: CORNILLON, FOA, DAVOUST, BUONAVISTA, GROSS AND GOLSTEIN **107**, 2691.

**Cell deformability**
cell response to a cylindrical substratum: ROVENSKY AND SAMOILOV **107**, 1255.

**Cell determination**
molecular mechanisms of cellular determination: SINGH **107**, 2653.

**Cell division**
a putative human homologue of yeast Mcm2p: TODOROV, PEPPERKOK, PHILIPOVA, KEARSEY, ANSORGE AND WERNER **107**, 253.
$[Ca^{2+}]_i$ in *Xenopus* eggs and embryos: KEATING, CORK AND ROBINSON **107**, 2229.
quantification of microtubule dynamics in living plant cells: HUSH, WADSWORTH, CALLAHAM AND HEPLER **107**, 775.

**Cell envelope**
keratinocyte cell envelope proteins: STEVEN AND STEINERT **107.2**, 693.

**Cell growth**
GalTase effects on growth/differentiation: MAILLET AND SHUR **107**, 1713.

**Cell growth-promoting activity**
cell-proliferating activity of TIMP-2: HAYAKAWA, YAMASHITA, OHUCHI AND SHINAGAWA **107**, 2373.

**Cell locomotion**
chemotaxis and chemokinesis in *Dictyostelium*: VICKER **107.2**, 659.

**Cell metabolism**
induction of `metabolic genes': BURGER, WICK, BRUSSELBACH AND MULLER **107**, 241.

**Cell migration**
laminin, integrins and muscle migration: CLYMAN, TANNENBAUM, CHEN, COOPER, YURCHENCO, KRAMER AND WALEH **107**, 1007.
surface GalTase affects cell polarity: APPEDDU AND SHUR **107**, 2535.

**Cell mortalization**
proliferation in normal and progeroid fibroblasts: KILL, FARAGHER, LAWRENCE AND SHALL **107.2**, 571.

**Cell motility**
α-actinin effects on cell motility and tumorigenicity: GLUCK AND BEN-ZE'EV **107**, 1773.
contact inhibition-like responses: NAGASAKI, LIAO AND GUNDERSEN **107**, 3413.
kinesin-related proteins in flagella: FOX, SAWIN AND SALE **107**, 1545.

**Cell movement**
a gradient method for cell movement analysis: SIEGERT, WEIJER, NOMURA AND MIIKE **107**, 97.

**Cell nucleus**
intranucleolar structure and rRNA synthesis: HOZAK, COOK, SCHOFER, MOSGOLLER AND WACHTLER **107.2**, 639.
replication sites and the cell cycle: HOZAK, JACKSON AND COOK **107**, 2191.

**Cell number**
apoptosis in the gut: HALL, COATES, ANSARI AND HOPWOOD **107**, 3569.

**Cell polarity**
cell flattening during mouse early development: AGHION, GUETH-HALLONET, ANTONY, GROS AND MARO **107**, 1369.
GPI-membrane anchor and intracellular accumulation of proteins: NICOLAS, TIVERON, DAVOUST AND REGGIO **107**, 2679.

**Cell spreading**
a morphoregulatory domain in GAP-43: STRITTMATTER, VALENZUELA AND FISHMAN **107**, 195.

**Cell surface**
function of Thy-1's GPI anchor: TIVERON, NOSTEN-BERTRAND, JANI, GARNETT, HIRST, GROSVELD AND MORRIS **107**, 1783.
GalTase effects on growth/differentiation: MAILLET AND SHUR **107**, 1713.

**Cell surface galactosyltransferase**
surface GalTase affects cell polarity: APPEDDU AND SHUR **107**, 2535.

**Cell surface receptor**
cell-proliferating activity of TIMP-2: HAYAKAWA, YAMASHITA, OHUCHI AND SHINAGAWA **107**, 2373.

**Cell survival**
multiple phosphorylation-induced death types: GJERTSEN, CRESSEY, RUCHAUD, HOUGE, LANOTTE AND DOSKELAND **107**, 3363.

**Cell swelling**
cell swelling inhibits transport by P-gp: SARDINI, MINTENIG, VALVERDE, SEPULVEDA, GILL, HYDE, HIGGINS AND MCNAUGHTON **107**, 3281.

**Cell tracking**
chemotaxis and chemokinesis in *Dictyostelium*: VICKER **107.2**, 659.
neutrophil dispersive locomotion: CHETTIBI, LAWRENCE, YOUNG, LAWRENCE AND STEVENSON **107**, 3173.

**Cell wall**
extraction of plasmodesmata: TURNER, WELLS AND ROBERTS **107**, 3351.

**Cellular ageing**
proliferation in normal and progeroid fibroblasts: KILL, FARAGHER, LAWRENCE AND SHALL **107.2**, 571.

**Central pair apparatus**
a kinesin-related protein of the central pair apparatus: JOHNSON, HAAS AND ROSENBAUM **107**, 1551.

**Centrin**
behavior of the pericentriolar lattice: BARON, SUMAN, NEMETH AND SALISBURY **107**, 2993.
cDNA clone encoding human centrin: ERRABULO, SANDERS AND SALISBURY **107**, 9.

**Centriole**
anti-tektin staining of centrosomes: STEFFEN, FAJER AND LINCK **107**, 2095.
cDNA clone encoding human centrin: ERRABULO, SANDERS AND SALISBURY **107**, 9.

**Centromere**
*Drosophila* zw10 protein: WILLIAMS AND GOLDBERG **107**, 785.
minor satellite and centromeres in mouse: VIG, LATOUR AND FRANKOVICH **107**, 3091.

**Centrosomal/spindle pole defects**
centrosomal/spindle pole defects of *ncd* mutants: ENDOW, CHANDRA, KOMMA, YAMAMOTO AND SALMON **107**, 859.
**Centrosome**
a MAP1B-related centrosomal protein: DOMINGUEZ, BUENDIA, LOPEZ-OTIN, ANTONY, KARSENTI AND AVILA **107.2**, 601.
behavior of the pericentriolar lattice: BARON, SUMAN, NEMETH AND SALISBURY **107**, 2993.
cDNA clone encoding human centrin: ERRABULO, SANDERS AND SALISBURY **107**, 9.
nuclear mitotic apparatus protein: TANG, TANG, CHAO AND WU **107**, 1389.
terminal reorganization of a centrosome: HENDERSON, TUCKER, CHAPLIN, MACKIE, MAIDMENT, MOGENSEN AND PATON **107.2**, 589.
**Cerebellum**
distribution of delta 2-tubulin: PATURLE-LAFANECHERE, MANIER, TRIGAULT, PIROLLET, MAZARGUIL AND JOB **107**, 1529.
tropomyosin isoforms in rat neurons: HAD, FAIVRE-SARRAILH, LEGRAND, MERY, BRUGIDOU AND RABIE **107**, 2963.
**CFTR/C1-permeability**
estrogen-dependent expression of *CFTR*: ROCHWERGER, DHO, PARKER, FOSKETT AND BUCHWALD **107**, 2439.
***Chalamydomonas***
$Ca^{2+}$ and *Chlamydomonas* flagellar regeneration: CHESHIRE, EVANS AND KELLER **107**, 2491.
**Chaperone**
association of a TCP1-related protein with the nuclear matrix: JOLY, TREMBLAY, TANGUAY, WU AND BIBOR-HARDY **107**, 2851.
chaperones in pancreatic acinar cells: VELEZ-GRANELL, ARIAS, TORRES-RUIZ AND BENDAYAN **107.3**, 539.
**Chemical mutagen**
crypt cycle in mouse intestine: LI, ROBERTS, PAULUS, LOEFFLER AND POTTEN **107**, 3271.
**Chemical stress**
regulation of *hsp70* gene expression: LIU, CORRY AND LEE **107**, 2209.
**Chemotaxis**
a gradient method for cell movement analysis: SIEGERT, WEIJER, NOMURA AND MIIKE **107**, 97.
**Chick embryo**
elastin in the developing chick limb: HURLE, CORSON, DANIELS, REITER, SAKAI AND SOLURSH **107**, 2623.
tissue-specific expression of the fibril-associated collagens: WALCHLI, KOCH, CHIQUET, ODERMATT AND TRUEB **107.2**, 669.
**Chimeric keratin molecule**
function of keratin head domains: HATZFELD AND BURBA **107**, 1959.
**Chinese hamster ovary (CHO) cells**
targeted fusion of phagocytic vesicles: VERAS, DE CHASTELLIER, MOREAU, VILLIERS, THIBON, MATTEI AND RABINOVITCH **107**, 3065.
***Chlamydomonas***
a kinesin-related protein of the central pair apparatus: JOHNSON, HAAS AND ROSENBAUM **107**, 1551.
*Chlamydomonas* γ dynein heavy chain: WILKERSON, KING AND WITMAN **107.3**, 497.
flagellar dynein heavy chain sequences: MITCHELL AND BROWN **107.3**, 635.
***Chlorella fusca***
is 3-PGK of *Chlorella* part of the circadian clock?: WALLA, DE GROOT AND SCHWEIGER **107.2**, 719.
**Chloroplast origin**
ribosomes of cryptomonad endosymbionts: MCFADDEN, GILSON AND DOUGLAS **107.2**, 649.
**CHO cell**
U3 snRNA during the cell cycle: AZUM-GELADE, NOAILLAC-DEPEYRE, CAIZERGUES-FERRER AND GAS **107.2**, 463.
**Cholesterol**
HMG CoA reductase degradation in the ER: LECUREUX AND WATTENBERG **107**, 2635.
**Chondrocyte**
hyaluronan in the growth plate: PAVASANT, SHIZARI AND UNDERHILL **107**, 2669.
phenotypic stability of chondrocytes: HAUSELMANN, FERNANDES, MOK, SCHMID, BLOCK, AYDELOTTE, KUETTNER AND THONAR **107**, 17.
**Chondrogenesis**
elastin in the developing chick limb: HURLE, CORSON, DANIELS, REITER, SAKAI AND SOLURSH **107**, 2623.
**Chromatin**
differential 5 S RNA gene transcription: WOLFFE **107**, 2055.
**Chromatin fiber**
structure of chromatin fibers: BARTOLOME, BERMUDEZ AND DABAN **107**, 2983.
**Chromatin folding**
structure of chromatin fibers: BARTOLOME, BERMUDEZ AND DABAN **107**, 2983.
**Chromatin structure**
structural stability of replicon clusters: SPARVOLI, LEVI AND ROSSI **107**, 3097.
**Chromosome condensation**
disruption of mitotic events by histone H1: MATSUOKA, TAKECHI, NAKAYAMA AND YONEDA **107.3**, 693.
yeast chromosomes in mouse cells: MCMANUS, PERRY, SUMNER, WRIGHT, THOMSON, ALLSHIRE, HASTIE AND BICKMORE **107.3**, 469.
**Chromosome disjunction**
SC proteins: DOBSON, PEARLMAN, KARAISKAKIS, SPYROPOULOS AND MOENS **107**, 2749.
**Chromosome position**
monopolar spindles: CASSIMERIS, RIEDER AND SALMON **107**, 285.
**Chromosome segregation**
*Drosophila* zw10 protein: WILLIAMS AND GOLDBERG **107**, 785.
**Cilium**
kinesin-related proteins in flagella: FOX, SAWIN AND SALE **107**, 1545.
*Paramecium* dyneins: ASAI, BECKWITH, KANDL, KEATING, TJANDRA AND FORNEY **107**, 839.
turnover and regeneration of sea urchin embryonic cilia: STEPHENS **107.2**, 683.
**Circadian rhythm**
is 3-PGK of *Chlorella* part of the circadian clock?: WALLA, DE GROOT AND SCHWEIGER **107.2**, 719.
**Cisternal maturation model**
morphology of post-ER membranous elements: SESSO, DE FARIA, SADAYO, IWAMURA AND CORREA **107.3**, 517.
**Class II MHC**
isolation and characterisation of human type II pneumocytes: CUNNINGHAM, MILNE, WILKES, DARK, TETLEY AND KIRBY **107.2**, 443.
**Clathrin-coated vesicle**
plant adaptins: HOLSTEIN, DRUCKER AND ROBINSON **107**, 945.
**Cleavage furrow**
cleavage furrow formation in sea urchin eggs: MABUCHI **107**, 1853.
myosin-II isoform localization: MAUPIN, PHILLIPS, ADELSTEIN AND POLLARD **107**, 3077.
**Cleavage stimulus**
cleavage furrow formation in sea urchin eggs: MABUCHI **107**, 1853.
**CLIP-170 functional domains**
functional domains of CLIP-170: PIERRE, PEPPERKOK AND KREIS **107**, 1909.
***Clostridium difficile***
*Clostridium difficile* toxin B in *Xenopus laevis* oocytes: JUST, RICHTER, PREPENS, VON EICHEL-STREIBER AND AKTORIES **107**, 1653.

**CLSM**
nuclear distribution of PCNA in starfish eggs: NOMURA **107**, 3291.
**Clustering**
LFA-1 redistribution upon ICAM-1 adhesion: MEIJNE, DRIESSENS, LA RIVIERE, CASEY, FELTKAMP AND ROOS **107**, 2557.
**Coat protein**
intracellular mobility of VSV-G protein: STORRIE, PEPPERKOK, STELZER AND KREIS **107**, 1309.
**Coated pit**
cytoplasmic tail specifies TGN localization: CONIBEAR AND PEARSE **107**, 923.
*Drosophila* β-adaptin: CAMIDGE AND PEARSE **107.3**, 709.
**Coated vesicle**
endocytosis is sensitive to anti-UA/hsc70: HONING, KREIMER, ROBENEK AND JOCKUSCH **107**, 1185.
**Cochlea**
terminal reorganization of a centrosome: HENDERSON, TUCKER, CHAPLIN, MACKIE, MAIDMENT, MOGENSEN AND PATON **107.2**, 589.
**Coelenterate**
tropomyosin in *Hydra*: LOPEZ DE HARO, SALGADO, DAVID AND BOSCH **107**, 1403.
**Coiled body**
coiled bodies in the nucleolus: OCHS, STEIN JR AND TAN **107.2**, 385.
**Colcemid**
mitotic arrest and terminal GlcNAc's: CHOU AND OMARY **107**, 1833.
**Cold**
tau and microtubule stability: BAAS, PIENKOWSKI, CIMBALNIK, TOYAMA, BAKALIS, AHMAD AND KOSIK **107**, 135.
**Collagen**
collagens in osteochondrosis: WARDALE AND DUANCE **107**, 47.
elastin in the developing chick limb: HURLE, CORSON, DANIELS, REITER, SAKAI AND SOLURSH **107**, 2623.
integrin-type II collagen binding: TUCKWELL, AYAD, GRANT, TAKIGAWA AND HUMPHRIES **107**, 993.
laminin, integrins and muscle migration: CLYMAN, TANNENBAUM, CHEN, COOPER, YURCHENCO, KRAMER AND WALEH **107**, 1007.
mesenchyme and keratinocyte outgrowth: TUAN, KELLER, SUN, NIMNI AND CHEUNG **107**, 2285.
morphogenesis of mammary cells: BERDICHEVSKY, ALFORD, D'SOUZA AND TAYLOR-PAPADIMITRIOU **107**, 3557.
**Collagen cross-link**
collagens in osteochondrosis: WARDALE AND DUANCE **107**, 47.
**Collagen degradation**
effect of IL-1α and EGF on collagenase in ECM: VAN DER ZEE, EVERTS, HOEBEN AND BEERTSEN **107**, 1047.
**Collagen type IV**
integrin regulation in neurite outgrowth: CARMELIET, HIMPENS AND CASSIMAN **107**, 3379.
**Collagen XII**
tissue-specific expression of the fibril-associated collagens: WALCHLI, KOCH, CHIQUET, ODERMATT AND TRUEB **107.2**, 669.
**Collagen XIV**
tissue-specific expression of the fibril-associated collagens: WALCHLI, KOCH, CHIQUET, ODERMATT AND TRUEB **107.2**, 669.
**Collagenase**
effect of IL-1α and EGF on collagenase in ECM: VAN DER ZEE, EVERTS, HOEBEN AND BEERTSEN **107**, 1047.
**92 kDa type IV collagenase/gelatinase**
contact-dependent fibroblast 92 kDa gelatinase induction: HIMELSTEIN, CANETE-SOLER, BERNHARD AND MUSCHEL **107.2**, 477.
**Colonic cancer cell**
integrins in colonic cancer cells: SIMON-ASSMANN, LEBERQUIER, MOLTO, UEZATO, BOUZIGES AND KEDINGER **107.3**, 577.
**Colorectal epithelium**
differentiation in colorectal epithelium: KIRKLAND AND HENDERSON **107**, 1041.
**Compaction**
cell flattening during mouse early development: AGHION, GUETH-HALLONET, ANTONY, GROS AND MARO **107**, 1369.
**Computer-assisted video-microscopy**
chemotaxis and chemokinesis in *Dictyostelium*: VICKER **107.2**, 659.
**Confocal**
novel GPI-anchored adhesion protein: RABINO, TRUSOLINO, PRAT, CREMONA, SAVOIA AND MARCHISIO **107**, 1413.
**Confocal microscopy**
actin microfilaments in living *Micrasterias* cells: MEINDL, ZHANG AND HEPLER **107**, 1929.
β-actin mRNA in embryonic corneal epithelia: YEH AND SVOBODA **107**, 105.
3-D localization of 18 S rRNA genes: MONTIJN, HOUTSMULLER, OUD AND NANNINGA **107.3**, 457.
a novel role for E- and P-selectins: KAPLANSKI, FARNARIER, BENOLIEL, FOA, KAPLANSKI AND BONGRAND **107**, 2449.
cell swelling inhibits transport by P-gp: SARDINI, MINTENIG, VALVERDE, SEPULVEDA, GILL, HYDE, HIGGINS AND MCNAUGHTON **107**, 3281.
lens cell communication: BASSNETT, KUSZAK, REINISCH, BROWN AND BEEBE **107**, 799.
MCH molecules in infected macrophages: LANG, DE CHASTELLIER, FREHEL, HELLIO, METEZEAU, LEAO AND ANTOINE **107**, 69.
replication and transcription sites: BASSIM HASSAN, ERRINGTON, WHITE, JACKSON AND COOK **107.2**, 425.
transcription in S-phase: WANSINK, MANDERS, VAN DER KRAAN, ATEN, VAN DRIEL AND DE JONG **107**, 1449.
yolk platelet pH in *Xenopus* development: FAGOTTO AND MAXFIELD **107**, 3325.
*Leishmania donovani*-infected macrophages: LANG, HELLIO, KAYE AND ANTOINE **107**, 2137.
**Conformation dependence**
integrin-type II collagen binding: TUCKWELL, AYAD, GRANT, TAKIGAWA AND HUMPHRIES **107**, 993.
**Congression**
monopolar spindles: CASSIMERIS, RIEDER AND SALMON **107**, 285.
**Connexin**
altered connexin expression during hepatocarcinogenesis: NEVEU, HULLY, BABCOCK, HERTZBERG, NICHOLSON, PAUL AND PITOT **107**, 83.
cell flattening during mouse early development: AGHION, GUETH-HALLONET, ANTONY, GROS AND MARO **107**, 1369.
**Connexin26**
appearance of Cx26 in isolated perfused rat liver: KOJIMA, SAWADA, OYAMADA, CHIBA, ISOMURA AND MORI **107**, 3579.
**Connexin32**
properties of chimeric connexins: BRUZZONE, WHITE AND PAUL **107**, 955.
**Connexin43**
the $Cx43^+$ gap junction network in haemopoietic tissue: ROSENDAAL, GREEN, RAHMAN AND MORGAN **107**, 29.
properties of chimeric connexins: BRUZZONE, WHITE AND PAUL **107**, 955.
**Contact guidance**
cell response to a cylindrical substratum: ROVENSKY AND SAMOILOV **107**, 1255.
**Contractile ring**
cleavage furrow formation in sea urchin eggs: MABUCHI **107**, 1853.
*nullo* protein in *Drosophila* embryos: POSTNER AND WIESCHAUS **107**, 1863.

**Contractile vacuole system**
colocalization of V-$H^+$-ATPase and a Rab4-like GTPase: BUSH, NOLTA, RODRIGUEZ-PARIS, KAUFMANN, O'HALLORAN, RUSCETTI, TEMESVARI, STECK AND CARDELLI **107**, 2801.
**Contraction**
isolation of a contractile egg cortex: WALKER, KANE AND BURGESS **107**, 2239.
**Copper deficiency**
copper deficiency and cell differentiation: RENAULT AND DESCHATRETTE **107**, 3251.
**Corneal epithelium**
spontaneous corneal epithelial cell line: CASTRO-MUNOZLEDO **107**, 2343.
**COS cell**
*Drosophila* β-adaptin: CAMIDGE AND PEARSE **107.3**, 709.
**Costamere**
proteins and mRNAs at costameres: MORRIS AND FULTON **107.3**, 377.
***Coxiella burnetii***
targeted fusion of phagocytic vesicles: VERAS, DE CHASTELLIER, MOREAU, VILLIERS, THIBON, MATTEI AND RABINOVITCH **107**, 3065.
**Crane fly**
RMSA-1 on meiotic crane-fly chromosomes: YEO, FORER AND TOH **107**, 1845.
***Crepis capillaris***
origin of the *Crepis capillaris* B chromosome: JAMILENA, RUIZ REJON AND RUIZ REJON **107.3**, 703.
**Crossbridge**
phosphorylation-dependent NF structure: GOTOW, TANAKA, NAKAMURA AND TAKEDA **107**, 1949.
**Cryofixation**
calcium in *Dictyostelium*: SCHLATTERER, GOLLNICK, SCHMIDT, MEYER AND KNOLL **107**, 2107.
**Crypt cycle**
crypt cycle in mouse intestine: LI, ROBERTS, PAULUS, LOEFFLER AND POTTEN **107**, 3271.
**Crypt fission**
crypt cycle in mouse intestine: LI, ROBERTS, PAULUS, LOEFFLER AND POTTEN **107**, 3271.
**Cryptomonad**
ribosomes of cryptomonad endosymbionts: MCFADDEN, GILSON AND DOUGLAS **107.2**, 649.
**Cultured cell**
cell response to a cylindrical substratum: ROVENSKY AND SAMOILOV **107**, 1255.
**Cultured neuron**
tropomyosin isoforms in rat neurons: HAD, FAIVRE-SARRAILH, LEGRAND, MERY, BRUGIDOU AND RABIE **107**, 2963.
**Cutaneous scarring**
antiTGF-$\beta_{1,2}$ reduces cutaneous scarring: SHAH, FOREMAN AND FERGUSON **107**, 1137.
**cyclic GMP**
myosin light chain phosphorylation: LIU AND NEWELL **107**, 1737.
**Cyclin**
cyclin in cell cycle exit: FORSBURG AND NURSE **107.3**, 601.
truncated cyclin B in *Dictyostelium* cell division: LUO, MICHAELIS AND WEEKS **107**, 3105.
regulation of cell cycle genes: BURGER, WICK AND MULLER **107**, 2047.
**Cyclin B**
*A. nidulans nimX*$^{cdc2}$: OSMANI, VAN PEIJ, MISCHKE, O'CONNELL AND OSMANI **107**, 1519.
**Cyclin E**
alternative splicing of cyclin E: SEWING, RONICKE, BURGER, FUNK AND MULLER **107.2**, 581.
**Cyclin-dependent kinase**
regulation of CAK: POON, YAMASHITA, HOWELL, ERSHLER, BELYAVSKY AND HUNT **107**, 2789.
**Cylindrical substratum**
cell response to a cylindrical substratum: ROVENSKY AND SAMOILOV **107**, 1255.
**Cysteine protease**
*ras* and cathepsin B trafficking: SLOANE, MOIN, SAMENI, TAIT, ROZHIN AND ZIEGLER **107.2**, 373.
**Cystic fibrosis**
$[Ca^{2+}]_i$ in tracheal epithelial cells: DAVIS, SILSKI AND PEREZ **107**, 2899.
**Cytochalasin D**
actin and tight junctions: STEVENSON AND BEGG **107.3**, 367.
**Cytokeratin**
apical cytoskeleton in epithelia: RODRIGUEZ, BRIGNONI AND SALAS **107**, 3145.
forskolin perturbs cytokeratin network: BARICAULT, DE NECHAUD, SAPIN, CODOGNO, DENOULET AND TRUGNAN **107**, 2909.
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
**Cytokine**
tenascin/neuronectin regulation: RETTIG, ERICKSON, ALBINO AND GARIN-CHESA **107.2**, 487.
**Cytokinesis**
microtubule-translocating activity in tobacco BY-2 cell phragmoplasts: ASADA AND SHIBAOKA **107**, 2249.
myosin-II isoform localization: MAUPIN, PHILLIPS, ADELSTEIN AND POLLARD **107**, 3077.
*nullo* protein in *Drosophila* embryos: POSTNER AND WIESCHAUS **107**, 1863.
role of fission yeast ppb1 phosphatase: YOSHIDA, TODA AND YANAGIDA **107**, 1725.
**Cytoplasm**
growth factor signal transduction: PANARETTO **107**, 747.
**Cytoplasmic domain**
characterization of cadherin-4 and cadherin-5: TANIHARA, KIDO, OBATA, HEIMARK, DAVIDSON, ST JOHN AND SUZUKI **107**, 1697.
**Cytoplasmic dynein**
cytoplasmic dynein in spermatids: YOSHIDA, IOSHII, IMANAKA-YOSHIDA AND IZUTSU **107.3**, 625.
**Cytoplasmic transport**
kinesin-related proteins in flagella: FOX, SAWIN AND SALE **107**, 1545.
**Cytoskeletal biopolymer**
novel IF from hagfish: KOCH, SPITZER, PITHAWALLA AND PARRY **107**, 3133.
**Cytoskeletal protein**
zeelins in insect muscle thick filaments: FERGUSON, LAKEY, HUTCHINGS, BUTCHER, LEONARD AND BULLARD **107**, 1115.
**Cytoskeleton**
30 kDa protein in contact regions: FECHHEIMER, INGALLS, FURUKAWA AND LUNA **107**, 2393.
α-actinin effects on cell motility and tumorigenicity: GLUCK AND BEN-ZE'EV **107**, 1773.
aciculin in skeletal muscle: BELKIN AND BURRIDGE **107**, 1993.
actin and tight junctions: STEVENSON AND BEGG **107.3**, 367.
behavior of the pericentriolar lattice: BARON, SUMAN, NEMETH AND SALISBURY **107**, 2993.
breast carcinoma cell adhesions: DEPASQUALE, SAMSONOFF AND GIERTHY **107**, 1241.
calponin localisation in smooth muscle: NORTH, GIMONA, CROSS AND SMALL **107.3**, 437.
CD44 cytoplasmic domain: ISACKE **107**, 2353.
cellular targets of H-7: CITI, VOLBERG, BERSHADSKY, DENISENKO AND GEIGER **107.3**, 683.
cloning of paxillin: TURNER AND MILLER **107**, 1583.
contact inhibition-like responses: NAGASAKI, LIAO AND GUNDERSEN **107**, 3413.

cytoskeleton and ion channel distribution: LEVINA, LEW AND HEATH **107**, 127.
isolation of a contractile egg cortex: WALKER, KANE AND BURGESS **107**, 2239.
lens tropomodulin, tropomyosin and actin: WOO AND FOWLER **107**, 1359.
*Listeria* subversion of the cytoskeleton: TEMM-GROVE, JOCKUSCH, ROHDE, NIEBUHR, CHAKRABORTY AND WEHLAND **107**, 2951.
localisation of β-actin in smooth muscle: NORTH, GIMONA, LANDO AND SMALL **107.3**, 445.
MSP filaments in *Ascaris* sperm: KING, STEWART AND ROBERTS **107**, 2941.
myosin light chain phosphorylation: LIU AND NEWELL **107**, 1737.
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
scanning force microscopy of cells: PIETRASANTA, SCHAPER AND JOVIN **107**, 2427.
surface GalTase affects cell polarity: APPEDDU AND SHUR **107**, 2535.
syndecan-1 and TX-100 insolubility: MIETTINEN AND JALKANEN **107**, 1571.
tropomyosin in *Hydra*: LOPEZ DE HARO, SALGADO, DAVID AND BOSCH **107**, 1403.
tropomyosin isoforms in rat neurons: HAD, FAIVRE-SARRAILH, LEGRAND, MERY, BRUGIDOU AND RABIE **107**, 2963.
tyrosine phosphorylation of actin: JUNGBLUTH, VON ARNIM, BIEGELMANN, HUMBEL, SCHWEIGER AND GERISCH **107**, 117.

**Cytoskeleton-membrane connection**
ERM in marginal band of avian erythrocytes: WINCKLER, GONZALEZ AGOSTI, MAGENDANTZ AND SOLOMON **107**, 2523.

**Cytoskeleton stabilisation**
novel microtubule-binding domain: CRAVCHIK, REDDY AND MATUS **107.3**, 661.

**Cytostellin**
cytostellin in nuclear speckles: BREGMAN, DU, LI, RIBISI AND WARREN **107.3**, 387.

**Cytotactin**
tenascin/neuronectin regulation: RETTIG, ERICKSON, ALBINO AND GARIN-CHESA **107.2**, 487.

**Delayed early gene**
induction of 'metabolic genes': BURGER, WICK, BRUSSELBACH AND MULLER **107**, 241.
mitogen-induced genes: WICK, BURGER, BRUSSELBACH, LUCIBELLO AND MULLER **107**, 227.

**Deletion mutant**
function of keratin head domains: HATZFELD AND BURBA **107**, 1959.

**Dendricity**
integrins in melanocyte attachment and dendricity: HARA, YAAR, TANG, ELLER, REENSTRA AND GILCHREST **107**, 2739.

**Dermal fibroblast**
mesenchyme and keratinocyte outgrowth: TUAN, KELLER, SUN, NIMNI AND CHEUNG **107**, 2285.

**Dermal papilla cell**
immortalized dermal papilla cells: FILSELL, LITTLE, STONES, GRANGER AND BAYLEY **107**, 1761.

**Desmin**
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.

**Desmosome**
cloning of desmosomal band 6 protein: HATZFELD, KRISTJANSSON, PLESSMANN AND WEBER **107**, 2259.

**Detyrosination**
TGF-β, serum and microtubule stability: GUNDERSEN, KIM AND CHAPIN **107.3**, 645.

**Development**
annexin I and II levels in pancreatic islets: OHNISHI, TOKUDA, MASAKI, FUJIMURA, TAI, MATSUI, ITANO, ISHIDA, TAKAHARA, KONISHI AND HATASE **107**, 2117.
calcium in *Dictyostelium*: SCHLATTERER, GOLLNICK, SCHMIDT, MEYER AND KNOLL **107**, 2107.
GAG effect on neurite outgrowth and polarity: FERNAUD-ESPINOSA, NIETO-SAMPEDRO AND BOVOLENTA **107**, 1437.
novel microtubule-binding domain: CRAVCHIK, REDDY AND MATUS **107.3**, 661.
tropomyosin isoforms in rat neurons: HAD, FAIVRE-SARRAILH, LEGRAND, MERY, BRUGIDOU AND RABIE **107**, 2963.

**Dextran**
germinal vesicle breakdown: TERASAKI **107**, 1797.

**Diatom**
diazepam and mitosis. I.: SPURCK AND PICKETT-HEAPS **107**, 2643.

**Diazepam**
diazepam and mitosis. I.: SPURCK AND PICKETT-HEAPS **107**, 2643.

**Dicentric chromosomes**
assay for mitotic forces in yeast: BROCK AND BLOOM **107**, 891.

***Dictyostelium***
30 kDa protein in contact regions: FECHHEIMER, INGALLS, FURUKAWA AND LUNA **107**, 2393.
cell-cell adhesion and gp80 expression in *Dictyostelium*: DESBARATS, BRAR AND SIU **107**, 1705.
truncated cyclin B in *Dictyostelium* cell division: LUO, MICHAELIS AND WEEKS **107**, 3105.
myosin light chain phosphorylation: LIU AND NEWELL **107**, 1737.
programmed cell death in *Dictyostelium*: CORNILLON, FOA, DAVOUST, BUONAVISTA, GROSS AND GOLSTEIN **107**, 2691.
slugger mutants of *Dictyostelium*: GEE, RUSSELL AND GROSS **107.2**, 701.
truncation analysis of *Dictyostelium* myosin: LEE, EGELHOFF AND SPUDICH **107**, 2875.

***Dictyostelium discoideum***
a gradient method for cell movement analysis: SIEGERT, WEIJER, NOMURA AND MIIKE **107**, 97.
*Dictyostelium* sorus matrix protein (*Dp87*): NAKAO, YAMAMOTO, TAKEUCHI AND TASAKA **107.3**, 397.

**Differentiation**
copper deficiency and cell differentiation: RENAULT AND DESCHATRETTE **107**, 3251.
DHP receptor $\alpha_2/\delta$ subunit, N-Cam and myogenesis: VANDAELE AND RIEGER **107**, 1217.
differentiation in colorectal epithelium: KIRKLAND AND HENDERSON **107**, 1041.
expression and localization of glucose transporters: GUILLET-DENIAU, LETURQUE AND GIRARD **107.3**, 487.
$P185^{neuN}$ facilitates differentiation: LUCASSEN, ANDRES, REICHMANN, ENTWISTLE AND NOBLE **107**, 2919.
phenotypic change in intratypic T-cell hybrids: KUBOTA AND NAKAZATO **107**, 2761.
regulation of cell cycle genes: BURGER, WICK AND MULLER **107**, 2047.
SKALP in human epidermal keratinocytes: ALKEMADE, MOLHUIZEN, PONEC, KEMPENAAR, ZEEUWEN, DE JONGH, VAN VLIJMEN-WILLEMS, VAN ERP, VAN DE KERKHOF AND SCHALKWIJK **107**, 2335.

**Diffusion coefficient**
neutrophil dispersive locomotion: CHETTIBI, LAWRENCE, YOUNG, LAWRENCE AND STEVENSON **107**, 3173.

**Digital image processing**
a gradient method for cell movement analysis: SIEGERT, WEIJER, NOMURA AND MIIKE **107**, 97.

**Dihydropyridine**
mechanically-induced calcium changes: BOITANO, SANDERSON AND DIRKSEN **107**, 3037.

**DiI**
germinal vesicle breakdown: TERASAKI **107**, 1797.
**Dinoflagellate**
dinoflagellate nuclear matrix: MINGUEZ, FRANCA AND MORENO DIAZ DE LA ESPINA **107**, 2861.
**Dipeptidylpeptidase IV**
GPI-membrane anchor and intracellular accumulation of proteins: NICOLAS, TIVERON, DAVOUST AND REGGIO **107**, 2679.
human mammary fibroblast sub-populations: ATHERTON, O'HARE, BULUWELA, TITLEY, MONAGHAN, PATERSON, WARBURTON AND GUSTERSON **107**, 2931.
**Directionality of motor**
barbed-end-directed organelle motor: LANGFORD, KUZNETSOV, JOHNSON, COHEN AND WEISS **107**, 2291.
**Dispersive locomotion**
neutrophil dispersive locomotion: CHETTIBI, LAWRENCE, YOUNG, LAWRENCE AND STEVENSON **107**, 3173.
**Disruptants of PKC gene homologue**
PKCs are required for protoplast regeneration: KOBORI, TODA, YAGUCHI, TOYA, YANAGIDA AND OSUMI **107**, 1131.
**DMSO**
regulation of cell cycle genes: BURGER, WICK AND MULLER **107**, 2047.
**DNA-binding protein**
assembly of Ku autoantigen: WANG, SATOH, PIERANI, SCHMITT, CHOU, STUNNENBERG, ROEDER AND REEVES **107**, 3223.
**DNA damage**
drug-induced apoptosis in SCG neurons: TOMKINS, EDWARDS AND TOLKOVSKY **107**, 1499.
repair of DNA damage and the nucleoskeleton: JACKSON, BALAJEE, MULLENDERS AND COOK **107**, 1745.
Topo II and DNA damage in spermatogenesis: MORSE-GAUDIO AND RISLEY **107**, 2887.
**DNA-dependent protein kinase**
assembly of Ku autoantigen: WANG, SATOH, PIERANI, SCHMITT, CHOU, STUNNENBERG, ROEDER AND REEVES **107**, 3223.
**DNA fragmentation**
large DNA fragments in apoptosis of U937: BICKNELL, SNOWDEN AND COHEN **107**, 2483.
**DNA repair**
repair of DNA damage and the nucleoskeleton: JACKSON, BALAJEE, MULLENDERS AND COOK **107**, 1745.
**DNA replication**
laminin function in nuclear assembly and DNA replication: HUTCHISON, BRIDGER, COX AND KILL **107**, 3259.
meiotic cell cycles in *Xenopus* oocytes: OHSUMI, SAWADA AND KISHIMOTO **107**, 3005.
*S. pombe cdc19*$^{+}$ gene encodes MCM2 homologue: FORSBURG AND NURSE **107**, 2779.
structural stability of replicon clusters: SPARVOLI, LEVI AND ROSSI **107**, 3097.
**DNA synthesis**
DNA synthesis in *Xenopus* egg extracts: HOLA, CASTLEDEN, HOWARD AND BROOKS **107**, 3045.
induction of 'metabolic genes': BURGER, WICK, BRUSSELBACH AND MULLER **107**, 241.
prelamin A inhibits DNA synthesis: SINENSKY, MCLAIN AND FANTLE **107**, 2215.
***Dolichos biflorus* agglutinin binding**
crypt cycle in mouse intestine: LI, ROBERTS, PAULUS, LOEFFLER AND POTTEN **107**, 3271.
**Domain**
transcription in S-phase: WANSINK, MANDERS, VAN DER KRAAN, ATEN, VAN DRIEL AND DE JONG **107**, 1449.
**Domain boundary**
domain boundaries at the annulus: CESARIO AND BARTLES **107.2**, 561.
***Dp87* gene**
*Dictyostelium* sorus matrix protein (*Dp87*): NAKAO, YAMAMOTO, TAKEUCHI AND TASAKA **107.3**, 397.
***Drosophila***
cytoplasmic dynein in *Drosophila*: HAYS, PORTER, MCGRAIL, GRISSOM, GOSCH, FULLER AND MCINTOSH **107**, 1557.
truncated cyclin B in *Drosophila*: RIMMINGTON, DALBY AND GLOVER **107**, 2729.
16 kDa proteolipid and ductin are the same in insects: FINBOW, GOODWIN, MEAGHER, LANE, KEEN, FINDLAY AND KAISER **107**, 1817.
*Drosophila* β-adaptin: CAMIDGE AND PEARSE **107.3**, 709.
*Drosophila* spermatogenesis: CENCI, BONACCORSI, PISANO, VERNI AND GATTI **107**, 3521.
***Drosophila* development**
connectin in *Drosophila* embryogenesis: MEADOWS, GELL, BROADIE, GOULD AND WHITE **107**, 321.
***Drosophila* embryo**
*nullo* protein in *Drosophila* embryos: POSTNER AND WIESCHAUS **107**, 1863.
***Drosophila melanogaster***
association of bacteria with the mitotic apparatus: CALLAINI, RIPARBELLI AND DALLAI **107.3**, 673.
**Ductin**
16 kDa proteolipid and ductin are the same in insects: FINBOW, GOODWIN, MEAGHER, LANE, KEEN, FINDLAY AND KAISER **107**, 1817.
**Dynamics**
integrin $\alpha_6\beta_4$ mediates rolling on laminin: TOZEREN, KLEINMAN, WU, MERCURIO AND BYERS **107**, 3153.
**Dynein**
*Chlamydomonas* γ dynein heavy chain: WILKERSON, KING AND WITMAN **107.3**, 497.
cytoplasmic dynein in *Drosophila*: HAYS, PORTER, MCGRAIL, GRISSOM, GOSCH, FULLER AND MCINTOSH **107**, 1557.
interaction of dynein with microtubules: YOKOTA AND MABUCHI **107.2**, 353.
isolation of C/A dynein: YOKOTA AND MABUCHI **107.2**, 345.
*Paramecium* dyneins: ASAI, BECKWITH, KANDL, KEATING, TJANDRA AND FORNEY **107**, 839.
**Dynein heavy chain**
flagellar dynein heavy chain sequences: MITCHELL AND BROWN **107.3**, 635.
**Dynein isoform**
*Paramecium* dyneins: ASAI, BECKWITH, KANDL, KEATING, TJANDRA AND FORNEY **107**, 839.
**Dystrophin**
dystrophin subdomain localisation: DUNCKLEY, WELLS, PIPER, WELLS AND DICKSON **107**, 1469.
increased talin, vinculin and DRP in *mdx*: LAW, ALLEN AND TIDBALL **107**, 1477.
**E-cadherin**
ATP depletion: II. Internalization of $Na^{+}$,$K^{+}$-ATPase and E-cadherin: MANDEL, DOCTOR AND BACALLAO **107**, 3315.
cell flattening during mouse early development: AGHION, GUETH-HALLONET, ANTONY, GROS AND MARO **107**, 1369.
**Early S phase protein family**
a putative human homologue of yeast Mcm2p: TODOROV, PEPPERKOK, PHILIPOVA, KEARSEY, ANSORGE AND WERNER **107**, 253.
**Ectoenzyme**
human mammary fibroblast sub-populations: ATHERTON, O'HARE, BULUWELA, TITLEY, MONAGHAN, PATERSON, WARBURTON AND GUSTERSON **107**, 2931.
**EF-hand protein**
cDNA clone encoding human centrin: ERRABULO, SANDERS AND SALISBURY **107**, 9.
**EGF**
effect of IL-1α and EGF on collagenase in ECM: VAN DER ZEE, EVERTS, HOEBEN AND BEERTSEN **107**, 1047.
**Egg envelope**
proteoliaisin-ovoperoxidase complex: MOZINGO, SOMERS AND CHANDLER **107**, 2769.

**Elafin**
SKALP in human epidermal keratinocytes: ALKEMADE, MOLHUIZEN, PONEC, KEMPENAAR, ZEEUWEN, DE JONGH, VAN VLIJMEN-WILLEMS, VAN ERP, VAN DE KERKHOF AND SCHALKWIJK **107**, 2335.
**Elastin**
elastin in the developing chick limb: HURLE, CORSON, DANIELS, REITER, SAKAI AND SOLURSH **107**, 2623.
endothelial cell connecting filament composition: DAVIS **107.3**, 727.
**Electron microscope**
calcium in *Dictyostelium*: SCHLATTERER, GOLLNICK, SCHMIDT, MEYER AND KNOLL **107**, 2107.
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
endothelial cell connecting filament composition: DAVIS **107.3**, 727.
MSP filaments in *Ascaris* sperm: KING, STEWART AND ROBERTS **107**, 2941.
retention and retrieval of calreticulin: SONNICHSEN, FULLEKRUG, NGUYEN VAN, DIEKMANN, ROBINSON AND MIESKES **107**, 2705.
**Embryo**
macrophages and embryonic wound healing: HOPKINSON-WOOLLEY, HUGHES, GORDON AND MARTIN **107**, 1159.
**Embryonic mesenchyme**
embryonic expression of the Lsp1 gene: MISENER, HUI, MALAPITAN, ITTEL, JOYNER AND JONGSTRA **107**, 3591.
**Endocytic pathway**
interleukin 2 endocytosis: SUBTIL, HEMAR AND DAUTRY-VARSAT **107**, 3461.
**Endocytosis**
endocytosis in Caco-2 cells: JACKMAN, SHURETY, ELLIS AND LUZIO **107**, 2547.
interaction of lysosomes and late endosomes: JAHRAUS, STORRIE, GRIFFITHS AND DESJARDINS **107**, 145.
invariant chain internalization signals: BREMNES, MADSEN, GEDDE-DAHL AND BAKKE **107**, 2021.
transferrin and LDL trafficking in HEp2 cells: GHOSH, GELMAN AND MAXFIELD **107**, 2177.
**Endocytosis inhibition**
interleukin 2 endocytosis: SUBTIL, HEMAR AND DAUTRY-VARSAT **107**, 3461.
**Endoplasmic reticulum**
CaBP1 is not a resident protein of the intermediate compartment: FULLEKRUG, SONNICHSEN, WUNSCH, ARSEVEN, NGUYEN VAN, SOLING AND MIESKES **107**, 2719.
retention and retrieval of calreticulin: SONNICHSEN, FULLEKRUG, NGUYEN VAN, DIEKMANN, ROBINSON AND MIESKES **107**, 2705.
reticulons, neuroendocrine ER proteins: VAN DE VELDE, ROEBROEK, SENDEN, RAMAEKERS AND VAN DE VEN **107**, 2403.
**Endosomal/lysosomal marker**
*Leishmania donovani*-infected macrophages: LANG, HELLIO, KAYE AND ANTOINE **107**, 2137.
**Endosome**
endosomal trafficking of interleukin 2 and transferrin: DUPREZ, SMOLJANOVIC, LIEB AND DAUTRY-VARSAT **107**, 1289.
routing of LGPs in trypanosomes: BRICKMAN AND BALBER **107**, 3191.
transferrin and LDL trafficking in HEp2 cells: GHOSH, GELMAN AND MAXFIELD **107**, 2177.
**Endosome acidification**
yolk platelet pH in *Xenopus* development: FAGOTTO AND MAXFIELD **107**, 3325.
**Endosymbiosis**
ribosomes of cryptomonad endosymbionts: MCFADDEN, GILSON AND DOUGLAS **107.2**, 649.
**Endothelial cell**
a novel role for E- and P-selectins: KAPLANSKI, FARNARIER, BENOLIEL, FOA, KAPLANSKI AND BONGRAND **107**, 2449.
thrombospondin production by endothelial cells: RAYCHAUDHURY, FRAZIER AND D'AMORE **107**, 39.
**Endothelium**
endothelial cell connecting filament composition: DAVIS **107.3**, 727.
endothelial tight junctions in blood-brain barrier: WOLBURG, NEUHAUS, KNIESEL, KRAUß, SCHMID, OCALAN, FARRELL AND RISAU **107**, 1347.
**Entry into S phase**
a putative human homologue of yeast Mcm2p: TODOROV, PEPPERKOK, PHILIPOVA, KEARSEY, ANSORGE AND WERNER **107**, 253.
**Epidermis**
melanoblast proliferation and protein kinase C: HIROBE **107**, 1679.
SKALP in human epidermal keratinocytes: ALKEMADE, MOLHUIZEN, PONEC, KEMPENAAR, ZEEUWEN, DE JONGH, VAN VLIJMEN-WILLEMS, VAN ERP, VAN DE KERKHOF AND SCHALKWIJK **107**, 2335.
**Epithelial**
morphogenesis of mammary cells: BERDICHEVSKY, ALFORD, D'SOUZA AND TAYLOR-PAPADIMITRIOU **107**, 3557.
**Epithelial cell**
apical protein targeting in AR42J cells: COLOMER, RINDLER AND LOWE **107**, 2271.
apical secretion of gp80 in Caco-2 cells: APPEL AND KOCH-BRANDT **107.2**, 553.
*bcl-2* and cell cycle in epithelial cells: LU, HANBY, NASSER HAJIBAGHERI, GSCHMEISSNER, LU, TAYLOR-PAPADIMITRIOU, KRAJEWSKI, REED AND WRIGHT **107.2**, 363.
heparin stimulates intestinal epithelia: FLINT, COVE AND EVANS **107.2**, 401.
junction assembly with protein kinase inhibitors: DENISENKO, BURIGHEL AND CITI **107**, 969.
polarized and cell type-specific expression of novel rab proteins: LUTCKE, PARTON, MURPHY, OLKKONEN, DUPREE, VALENCIA, SIMONS AND ZERIAL **107**, 3437.
scatter factor-like factor and tumor cells: BELLUSCI, MOENS, THIERY AND JOUANNEAU **107**, 1277.
*Salmonella* aggregates surface proteins: GARCIA-DEL PORTILLO, GRACIELA PUCCIARELLI, JEFFERIES AND FINLAY **107**, 2005.
**Epithelial polarity**
apical cytoskeleton in epithelia: RODRIGUEZ, BRIGNONI AND SALAS **107**, 3145.
integrins and epithelial cell surface polarity: OJAKIAN AND SCHWIMMER **107.3**, 561.
integrins in normal and transformed MDCK cells: SCHOENENBERGER, ZUK, ZINKL, KENDALL AND MATLIN **107.2**, 527.
merosin expression by thyroid cells: ANDRE, FILIPPI AND FERACCI **107**, 183.
WIF-B cells: a polarized hepatoma hybrid: SHANKS, CASSIO, LECOQ AND HUBBARD **107**, 813.
**Epithelial tissue**
β-actin mRNA in embryonic corneal epithelia: YEH AND SVOBODA **107**, 105.
**Epithelium**
apoptosis in the gut: HALL, COATES, ANSARI AND HOPWOOD **107**, 3569.
isolation and characterisation of human type II pneumocytes: CUNNINGHAM, MILNE, WILKES, DARK, TETLEY AND KIRBY **107.2**, 443.
novel GPI-anchored adhesion protein: RABINO, TRUSOLINO, PRAT, CREMONA, SAVOIA AND MARCHISIO **107**, 1413.
substratum adhesion and scatter factor activity: CLARK **107**, 1265.
**Epitope tagging**
functional domains of CLIP-170: PIERRE, PEPPERKOK AND KREIS **107**, 1909.

*Eptatretus stouti*
novel IF from hagfish: KOCH, SPITZER, PITHAWALLA AND PARRY **107**, 3133.
**ERM family**
structural diversity of band 4.1 superfamily members: TAKEUCHI, KAWASHIMA, NAGAFUCHI AND TSUKITA **107**, 1921.
**ERM protein**
ERM in marginal band of avian erythrocytes: WINCKLER, GONZALEZ AGOSTI, MAGENDANTZ AND SOLOMON **107**, 2523.
**Erythrocyte**
tropomodulin localization in erythrocyte membranes: URSITTI AND FOWLER **107**, 1633.
**Established cell line**
spontaneous corneal epithelial cell line: CASTRO-MUNOZLEDO **107**, 2343.
**Estradiol**
breast carcinoma cell adhesions: DEPASQUALE, SAMSONOFF AND GIERTHY **107**, 1241.
**Evolution**
programmed cell death in *Dictyostelium*: CORNILLON, FOA, DAVOUST, BUONAVISTA, GROSS AND GOLSTEIN **107**, 2691.
**Evolutionary relationships**
molecular phylogeny of kinesin proteins: GOODSON, KANG AND ENDOW **107**, 1875.
**Exchange factor**
regulation of Ras exchange factor: HUGHES, YABANA AND YAMAMOTO **107**, 3635.
**Exocrine cell**
apical protein targeting in AR42J cells: COLOMER, RINDLER AND LOWE **107**, 2271.
**Exocytosis**
ATP receptors and secretion in PC12 cells: BARRY AND CHEEK **107.2**, 451.
glycoprotein complex secretion in *Dictyostelium*: WATSON, MCGUIRE AND ALEXANDER **107**, 2567.
**Expression**
embryonic expression of the Lsp1 gene: MISENER, HUI, MALAPITAN, ITTEL, JOYNER AND JONGSTRA **107**, 3591.
mucin developmental expression: CHAMBERS, HOLLINGSWORTH, TREZISE AND HARRIS **107.2**, 413.
**Extracellular**
extracellular annexin II in keratinocytes: MA, BELL, MITTAL AND HARRISON **107**, 1973.
**Extracellular domain**
characterization of cadherin-4 and cadherin-5: TANIHARA, KIDO, OBATA, HEIMARK, DAVIDSON, ST JOHN AND SUZUKI **107**, 1697.
**Extracellular matrix**
astrocyte neurite growth inhibitor: SMITH-THOMAS, FOK-SEANG, STEVENS, DU, MUIR, FAISSNER, GELLER, ROGERS AND FAWCETT **107**, 1687.
glycoprotein complex secretion in *Dictyostelium*: WATSON, MCGUIRE AND ALEXANDER **107**, 2567.
elastin in the developing chick limb: HURLE, CORSON, DANIELS, REITER, SAKAI AND SOLURSH **107**, 2623.
function of syndecans: ELENIUS AND JALKANEN **107**, 2975.
inhibition of cell attachment by downregulation of calreticulin expression: LEUNG-HAGESTEIJN, MILANKOV, MICHALAK, WILKINS AND DEDHAR **107.3**, 589.
integrins and epithelial cell surface polarity: OJAKIAN AND SCHWIMMER **107.3**, 561.
merosin expression by thyroid cells: ANDRE, FILIPPI AND FERACCI **107**, 183.
tenascin-R and tenascin-C block fibronectin-mediated adhesion: PESHEVA, PROBSTMEIER, SKUBITZ, MCCARTHY, FURCHT AND SCHACHNER **107**, 2323.
tenascin/neuronectin regulation: RETTIG, ERICKSON, ALBINO AND GARIN-CHESA **107.2**, 487.
thrombospondin production by endothelial cells: RAYCHAUDHURY, FRAZIER AND D'AMORE **107**, 39.
tissue-specific expression of the fibril-associated collagens: WALCHLI, KOCH, CHIQUET, ODERMATT AND TRUEB **107.2**, 669.
**F4/80**
macrophages and embryonic wound healing: HOPKINSON-WOOLLEY, HUGHES, GORDON AND MARTIN **107**, 1159.
**F9 cell**
GalTase effects on growth/differentiation: MAILLET AND SHUR **107**, 1713.
**FAK tyrosine phosphorylation**
FAK phosphorylation and focal adhesions: CHRZANOWSKA-WODNICKA AND BURRIDGE **107**, 3643.
**Farnesylation**
lamin isoprenylation and membrane attachment: HENNEKES AND NIGG **107**, 1019.
the processing pathway of prelamin A: SINENSKY, FANTLE, TRUJILLO, MCLAIN, KUPFER AND DALTON **107**, 61.
**Fast myosin heavy chain**
mammalian fast myosin heavy chains: CHO, HUGHES, KARSCH-MIZRACHI, TRAVIS, LEINWAND AND BLAU **107**, 2361.
**Feather**
cross-linking in hair, feather and teeth: RICE, WONG AND PINKERTON **107**, 1985.
**Fertilization envelope**
proteoliaisin-ovoperoxidase complex: MOZINGO, SOMERS AND CHANDLER **107**, 2769.
**FGF receptor**
expression of FGFR-3 in amphibian embryo: SHI, FROMENTOUX, LAUNAY, UMBHAUER AND BOUCAUT **107.3**, 417.
**FGF-signalling**
heparan sulfate proteoglycans: QUARTO AND AMALRIC **107**, 3201.
**Fibrillarin**
U3 snRNA during the cell cycle: AZUM-GELADE, NOAILLAC-DEPEYRE, CAIZERGUES-FERRER AND GAS **107.2**, 463.
**Fibrillin**
elastin in the developing chick limb: HURLE, CORSON, DANIELS, REITER, SAKAI AND SOLURSH **107**, 2623.
endothelial cell connecting filament composition: DAVIS **107.3**, 727.
**Fibroblast**
apoptosis in fibroblasts: KULKARNI AND MCCULLOCH **107**, 1169.
apoptosis in the gut: HALL, COATES, ANSARI AND HOPWOOD **107**, 3569.
contact-dependent fibroblast 92 kDa gelatinase induction: HIMELSTEIN, CANETE-SOLER, BERNHARD AND MUSCHEL **107.2**, 477.
fibroblast phenotype heterogeneity: IRWIN, PICARDO, ELLIS, SLOAN, GREY, MCGURK AND SCHOR **107**, 1333.
human mammary fibroblast sub-populations: ATHERTON, O'HARE, BULUWELA, TITLEY, MONAGHAN, PATERSON, WARBURTON AND GUSTERSON **107**, 2931.
tenascin-R and tenascin-C block fibronectin-mediated adhesion: PESHEVA, PROBSTMEIER, SKUBITZ, MCCARTHY, FURCHT AND SCHACHNER **107**, 2323.
TGF-β, serum and microtubule stability: GUNDERSEN, KIM AND CHAPIN **107.3**, 645.
**Fibroblast growth factor**
function of syndecans: ELENIUS AND JALKANEN **107**, 2975.
**Fibronectin**
effects of astrocytes on fibronectin: JIANG, LIOU, BEHZADIAN AND CALDWELL **107**, 2499.
integrin-binding sites in VCAM-1: CLEMENTS, NEWHAM, SHEPHERD, GILBERT, DUDGEON, NEEDHAM, EDWARDS, BERRY, BRASS AND HUMPHRIES **107**, 2127.
integrin-type II collagen binding: TUCKWELL, AYAD, GRANT, TAKIGAWA AND HUMPHRIES **107**, 993.

L-14 lectin and $\alpha_7\beta_1$ integrin ligand binding: GU, WANG, SONG, COOPER AND KAUFMAN **107**, 175.
laminin, integrins and muscle migration: CLYMAN, TANNENBAUM, CHEN, COOPER, YURCHENCO, KRAMER AND WALEH **107**, 1007.
$P185^{neuN}$ facilitates differentiation: LUCASSEN, ANDRES, REICHMANN, ENTWISTLE AND NOBLE **107**, 2919.
substratum adhesion and scatter factor activity: CLARK **107**, 1265.
tenascin-R and tenascin-C block fibronectin-mediated adhesion: PESHEVA, PROBSTMEIER, SKUBITZ, MCCARTHY, FURCHT AND SCHACHNER **107**, 2323.

**Fibronectin fibril**
β1 integrin localization in fibroblasts: MEIJNE, CASEY, FELTKAMP AND ROOS **107**, 1229.

**Fibulin-1**
binding properties of laminin isoforms: BROWN, WIEDEMANN AND TIMPL **107**, 329.

**Filament**
MSP filaments in *Ascaris* sperm: KING, STEWART AND ROBERTS **107**, 2941.

**Filament assembly**
the endless story of GFAP: CHEN AND LIEM **107**, 2299.

**Fission yeast**
H1 histone kinase in *S. pombe*: CREANOR AND MITCHISON **107**, 1197.
role of fission yeast ppb1 phosphatase: YOSHIDA, TODA AND YANAGIDA **107**, 1725.
*S. pombe cdc19*$^+$ gene encodes MCM2 homologue: FORSBURG AND NURSE **107**, 2779.

**Flagellar dynein**
flagellar dynein heavy chain sequences: MITCHELL AND BROWN **107.3**, 635.

**Flagellar pocket**
routing of LGPs in trypanosomes: BRICKMAN AND BALBER **107**, 3191.

**Flagellar regeneration**
$Ca^{2+}$ and *Chlamydomonas* flagellar regeneration: CHESHIRE, EVANS AND KELLER **107**, 2491.

**Flagellum**
a kinesin-related protein of the central pair apparatus: JOHNSON, HAAS AND ROSENBAUM **107**, 1551.
*Chlamydomonas* γ dynein heavy chain: WILKERSON, KING AND WITMAN **107.3**, 497.
interaction of dynein with microtubules: YOKOTA AND MABUCHI **107.2**, 353.
isolation of C/A dynein: YOKOTA AND MABUCHI **107.2**, 345.

**Flow cytometry**
growth arrest of human keratinocytes: VAN RUISSEN, VAN ERP, DE JONGH, BOEZEMAN, VAN DE KERKHOF AND SCHALKWIJK **107**, 2219.

**Fluorescence lifetime imaging microscopy**
glycolipid polarity dynamics at the sperm surface: GADELLA, GADELLA JR, COLENBRANDER, VAN GOLDE AND LOPES-CARDOZO **107**, 2151.

**Fluorescence microscopy**
microtubule polymer in interphase and mitosis: ZHAI AND BORISY **107**, 881.
myosin-II isoform localization: MAUPIN, PHILLIPS, ADELSTEIN AND POLLARD **107**, 3077.

**Fluorescence photobleaching**
intracellular mobility of VSV-G protein: STORRIE, PEPPERKOK, STELZER AND KREIS **107**, 1309.

**5-Fluorouracil**
the $Cx43^+$ gap junction network in haemopoietic tissue: ROSENDAAL, GREEN, RAHMAN AND MORGAN **107**, 29.

**Focal adhesion**
FAK phosphorylation and focal adhesions: CHRZANOWSKA-WODNICKA AND BURRIDGE **107**, 3643.
the paxillin-binding site in vinculin: WOOD, TURNER, JACKSON AND CRITCHLEY **107.2**, 709.

**Focal adhesion formation**
serum-induced assembly of focal adhesions in Swiss 3T3 cells: BARRY AND CRITCHLEY **107**, 2033.

**Focal adhesion kinase (FAK)**
focal adhesion kinase in skeletal muscle: BAKER, DAGGETT AND PENG **107**, 1485.

**Focal contact**
β1 integrin localization in fibroblasts: MEIJNE, CASEY, FELTKAMP AND ROOS **107**, 1229.

**Foetal myoblast**
expression and localization of glucose transporters: GUILLET-DENIAU, LETURQUE AND GIRARD **107.3**, 487.

**Forskolin**
forskolin perturbs cytokeratin network: BARICAULT, DE NECHAUD, SAPIN, CODOGNO, DENOULET AND TRUGNAN **107**, 2909.

**Forssman glycosphingolipid**
glycolipids of *Leishmania mexicana*: WINTER, FUCHS, MCCONVILLE, STIERHOF AND OVERATH **107**, 2471.

**FRAP**
quantification of microtubule dynamics in living plant cells: HUSH, WADSWORTH, CALLAHAM AND HEPLER **107**, 775.

**Freeze fracture**
endothelial tight junctions in blood-brain barrier: WOLBURG, NEUHAUS, KNIESEL, KRAUß, SCHMID, OCALAN, FARRELL AND RISAU **107**, 1347.
lens cell communication: BASSNETT, KUSZAK, REINISCH, BROWN AND BEEBE **107**, 799.

**Furrowing**
isolation of a contractile egg cortex: WALKER, KANE AND BURGESS **107**, 2239.

**Fusion protein**
SC proteins: DOBSON, PEARLMAN, KARAISKAKIS, SPYROPOULOS AND MOENS **107**, 2749.

**β-(1,4)-Galactosyltransferase**
GalTase effects on growth/differentiation: MAILLET AND SHUR **107**, 1713.

**G protein**
$Mn^{2+}$ reverses pertussis toxin effect: LA RIVIERE, KLEIN GEBBINCK, DRIESSENS AND ROOS **107.3**, 551.
osteoclast G proteins: ARKETT, DIXON AND SIMS **107.2**, 517.
targeting of $G\alpha_i$ proteins: BRUNO DE ALMEIDA, HOLTZMAN, PETERS, ERCOLANI, AUSIELLO AND STOW **107.3**, 507.

**G1 cyclin**
role of yeast MAP kinase homolog: FUJIMURA **107**, 2617.

**G1/S transition**
DNA synthesis in *Xenopus* egg extracts: HOLA, CASTLEDEN, HOWARD AND BROOKS **107**, 3045.

**Gap junction**
the $Cx43^+$ gap junction network in haemopoietic tissue: ROSENDAAL, GREEN, RAHMAN AND MORGAN **107**, 29.
altered connexin expression during hepatocarcinogenesis: NEVEU, HULLY, BABCOCK, HERTZBERG, NICHOLSON, PAUL AND PITOT **107**, 83.
cell flattening during mouse early development: AGHION, GUETH-HALLONET, ANTONY, GROS AND MARO **107**, 1369.
16 kDa proteolipid and ductin are the same in insects: FINBOW, GOODWIN, MEAGHER, LANE, KEEN, FINDLAY AND KAISER **107**, 1817.
lens cell communication: BASSNETT, KUSZAK, REINISCH, BROWN AND BEEBE **107**, 799.
properties of chimeric connexins: BRUZZONE, WHITE AND PAUL **107**, 955.

**GAP-43 (neuromodulin)**
a morphoregulatory domain in GAP-43: STRITTMATTER, VALENZUELA AND FISHMAN **107**, 195.

**Gastric parietal cell**
self-association of ezrin at the membrane: ANDREOLI, MARTIN, LE BORGNE, REGGIO AND MANGEAT **107**, 2509.

**$Gd^{3+}$**
mechanically-induced calcium changes: BOITANO, SANDERSON AND DIRKSEN **107**, 3037.
**Gene amplification**
copper deficiency and cell differentiation: RENAULT AND DESCHATRETTE **107**, 3251.
**Gene-dosage effect**
phenotypic change in intratypic T-cell hybrids: KUBOTA AND NAKAZATO **107**, 2761.
**Gene expression**
$Ca^{2+}$ and *Chlamydomonas* flagellar regeneration: CHESHIRE, EVANS AND KELLER **107**, 2491.
calcium in *Dictyostelium*: SCHLATTERER, GOLLNICK, SCHMIDT, MEYER AND KNOLL **107**, 2107.
cell-cell adhesion and gp80 expression in *Dictyostelium*: DESBARATS, BRAR AND SIU **107**, 1705.
effects of astrocytes on fibronectin: JIANG, LIOU, BEHZADIAN AND CALDWELL **107**, 2499.
**Gene regulation**
alternative splicing of cyclin E: SEWING, RONICKE, BURGER, FUNK AND MULLER **107.2**, 581.
induction of 'metabolic genes': BURGER, WICK, BRUSSELBACH AND MULLER **107**, 241.
mitogen-induced genes: WICK, BURGER, BRUSSELBACH, LUCIBELLO AND MULLER **107**, 227.
regulation of cell cycle genes: BURGER, WICK AND MULLER **107**, 2047.
regulation of *hsp70* gene expression: LIU, CORRY AND LEE **107**, 2209.
**Gene structure**
embryonic expression of the Lsp1 gene: MISENER, HUI, MALAPITAN, ITTEL, JOYNER AND JONGSTRA **107**, 3591.
**Gene transfer**
anti-adhesive proteoglycan: YAMAGATA AND KIMATA **107**, 2581.
dystrophin subdomain localisation: DUNCKLEY, WELLS, PIPER, WELLS AND DICKSON **107**, 1469.
**Genetic skin disease**
L1-2 mutations in EBS: CHAN, YU, LEBLANC-STRACESKI, CHRISTIANO, PULKKINEN, KUCHERLAPATI, UITTO AND FUCHS **107**, 765.
**Germinal vesicle breakdown**
germinal vesicle breakdown: TERASAKI **107**, 1797.
**GFAP**
N-terminal motifs important to GFAP assembly: RALTON, LU, HUTCHESON AND QUINLAN **107**, 1935.
the endless story of GFAP: CHEN AND LIEM **107**, 2299.
**Giant centriole**
polar centres in male sciarid meiosis: FUGE **107**, 299.
**Gingiva**
fibroblast phenotype heterogeneity: IRWIN, PICARDO, ELLIS, SLOAN, GREY, MCGURK AND SCHOR **107**, 1333.
**GISH**
origin of the *Crepis capillaris* B chromosome: JAMILENA, RUIZ REJON AND RUIZ REJON **107.3**, 703.
**Glucose consumption**
sucrase-isomaltase of Caco-2 clones: CHANTRET, RODOLOSSE, BARBAT, DUSSAULX, BROT-LAROCHE, ZWEIBAUM AND ROUSSET **107**, 213.
**Glucose transporter**
expression and localization of glucose transporters: GUILLET-DENIAU, LETURQUE AND GIRARD **107.3**, 487.
**Glutamylation**
glutamylated tubulin in developing neurons: AUDEBERT, KOULAKOFF, BERWALD-NETTER, GROS, DENOULET AND EDDE **107**, 2313.
**Glycoinositol-phospholipid**
glycolipids of *Leishmania mexicana*: WINTER, FUCHS, MCCONVILLE, STIERHOF AND OVERATH **107**, 2471.
**Glycoprotein complex**
glycoprotein complex secretion in *Dictyostelium*: WATSON, MCGUIRE AND ALEXANDER **107**, 2567.
**Glycosaminoglycan**
anti-adhesive proteoglycan: YAMAGATA AND KIMATA **107**, 2581.
**Glycosphingolipid biosynthesis**
vimentin affects glycolipid biosynthesis: GILLARD, THURMON, HARRELL, CAPETANAKI, SAITO, YU AND MARCUS **107**, 3545.
**Glycosylation**
mitotic arrest and terminal GlcNAc's: CHOU AND OMARY **107**, 1833.
**Glycosylphosphatidylinositol**
function of Thy-1's GPI anchor: TIVERON, NOSTEN-BERTRAND, JANI, GARNETT, HIRST, GROSVELD AND MORRIS **107**, 1783.
**Glypican**
glypican in nervous tissue: KARTHIKEYAN, FLAD, ENGEL, MEYER-PUTTLITZ, MARGOLIS AND MARGOLIS **107**, 3213.
**Golgi**
a conserved membrane protein of the Golgi: PRYDE **107**, 3425.
retention and retrieval of calreticulin: SONNICHSEN, FULLEKRUG, NGUYEN VAN, DIEKMANN, ROBINSON AND MIESKES **107**, 2705.
targeting of Gαi proteins: BRUNO DE ALMEIDA, HOLTZMAN, PETERS, ERCOLANI, AUSIELLO AND STOW **107.3**, 507.
traffic of MG160: JOHNSTON, STIEBER AND GONATAS **107.3**, 529.
**Golgi apparatus**
brefeldin A and the TGN of MDCK cells: WAGNER, RAJASEKARAN, HANZEL, MAYOR AND RODRIGUEZ-BOULAN **107**, 933.
chaperones in pancreatic acinar cells: VELEZ-GRANELL, ARIAS, TORRES-RUIZ AND BENDAYAN **107.3**, 539.
**GPI**
novel GPI-anchored adhesion protein: RABINO, TRUSOLINO, PRAT, CREMONA, SAVOIA AND MARCHISIO **107**, 1413.
**GPI-linked glycoprotein**
novel protein inhibits neurite outgrowth: CLARKE AND MOSS **107**, 3393.
**GRL antigen**
proteins associated with secretory granule membrane: THOMAS, STEIBER AND GONATAS **107**, 1297.
**Growth arrest**
growth arrest of human keratinocytes: VAN RUISSEN, VAN ERP, DE JONGH, BOEZEMAN, VAN DE KERKHOF AND SCHALKWIJK **107**, 2219.
phenotypic change in intratypic T-cell hybrids: KUBOTA AND NAKAZATO **107**, 2761.
**Growth cone guidance**
novel protein inhibits neurite outgrowth: CLARKE AND MOSS **107**, 3393.
**Growth factor**
growth factor signal transduction: PANARETTO **107**, 747.
induction of 'metabolic genes': BURGER, WICK, BRUSSELBACH AND MULLER **107**, 241.
mitogen-induced genes: WICK, BURGER, BRUSSELBACH, LUCIBELLO AND MULLER **107**, 227.
tenascin/neuronectin regulation: RETTIG, ERICKSON, ALBINO AND GARIN-CHESA **107.2**, 487.
**Growth inhibition**
cell kinetic analysis of TGFβ1 action: KRAMER, PATEL, SPARGO AND RILEY **107**, 3469.
**Growth plate**
collagens in osteochondrosis: WARDALE AND DUANCE **107**, 47.
**GTP-binding protein**
a morphoregulatory domain in GAP-43: STRITTMATTER, VALENZUELA AND FISHMAN **107**, 195.
networks, vesicles and GTP in transport: AYALA S. **107**, 753.

**GTP cyclohydrolase**
*Punch* maternal function: CHEN, REYNOLDS, RANGANAYAKULU AND O'DONNELL **107**, 3501.
**GTPase activating protein**
specific localization of p100-GAP: MOLLAT, FOURNIER, YANG, ALSAT, ZHANG, EVAIN-BRION, GRASSI AND THANG **107.3**, 427.
**Gut**
apoptosis in the gut: HALL, COATES, ANSARI AND HOPWOOD **107**, 3569.
**H1 histone kinase**
H1 histone kinase in *S. pombe*: CREANOR AND MITCHISON **107**, 1197.
**H-7**
cellular targets of H-7: CITI, VOLBERG, BERSHADSKY, DENISENKO AND GEIGER **107.3**, 683.
**Hagfish**
novel IF from hagfish: KOCH, SPITZER, PITHAWALLA AND PARRY **107**, 3133.
**Hagfish teeth**
cross-linking in hair, feather and teeth: RICE, WONG AND PINKERTON **107**, 1985.
**Hair**
cross-linking in hair, feather and teeth: RICE, WONG AND PINKERTON **107**, 1985.
**Hair induction**
immortalized dermal papilla cells: FILSELL, LITTLE, STONES, GRANGER AND BAYLEY **107**, 1761.
**Heat shock factor**
regulation of *hsp70* gene expression: LIU, CORRY AND LEE **107**, 2209.
**HeLa cell**
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
ensconsin, a novel MT-stabilizing MAP: BULINSKI AND BOSSLER **107**, 2839.
**HEp2 cell**
transferrin and LDL trafficking in HEp2 cells: GHOSH, GELMAN AND MAXFIELD **107**, 2177.
**Heparan sulfate**
function of syndecans: ELENIUS AND JALKANEN **107**, 2975.
glypican in nervous tissue: KARTHIKEYAN, FLAD, ENGEL, MEYER-PUTTLITZ, MARGOLIS AND MARGOLIS **107**, 3213.
**Heparan sulfate proteoglycan**
heparan sulfate proteoglycans: QUARTO AND AMALRIC **107**, 3201.
syndecan-1 and TX-100 insolubility: MIETTINEN AND JALKANEN **107**, 1571.
**Heparin**
heparin stimulates intestinal epithelia: FLINT, COVE AND EVANS **107.2**, 401.
HSPG specific immunotoxin: MESRI, ONO, KREITMAN, KLAGSBRUN AND PASTAN **107**, 2599.
laminin, integrins and muscle migration: CLYMAN, TANNENBAUM, CHEN, COOPER, YURCHENCO, KRAMER AND WALEH **107**, 1007.
**Hepatocarcinogenesis**
altered connexin expression during hepatocarcinogenesis: NEVEU, HULLY, BABCOCK, HERTZBERG, NICHOLSON, PAUL AND PITOT **107**, 83.
**Hepatocyte**
calmodulin and p62 in hepatocytes and astrocytes: PORTOLES, FAURA, RENAU-PIQUERAS, IBORRA, SAEZ, GUERRI, SERRATOSA, RIUS AND BACHS **107**, 3601.
cloning of a liver-specific transporter: SIMONSON, VINCENT, ROBERG, HUANG AND IWANIJ **107**, 1065.
**Hepatocyte growth factor**
substratum adhesion and scatter factor activity: CLARK **107**, 1265.
**Hepatoma**
copper deficiency and cell differentiation: RENAULT AND DESCHATRETTE **107**, 3251.
**Hepatoma cell**
directed transfer from the ER to the Golgi apparatus: MIZUNO AND SINGER **107**, 1321.
**Hepatoma cell line**
WIF-B cells: a polarized hepatoma hybrid: SHANKS, CASSIO, LECOQ AND HUBBARD **107**, 813.
**Heterogeneity**
fibroblast phenotype heterogeneity: IRWIN, PICARDO, ELLIS, SLOAN, GREY, MCGURK AND SCHOR **107**, 1333.
**Hexabrachion**
tenascin/neuronectin regulation: RETTIG, ERICKSON, ALBINO AND GARIN-CHESA **107.2**, 487.
**HGF/SF**
scatter factor-like factor and tumor cells: BELLUSCI, MOENS, THIERY AND JOUANNEAU **107**, 1277.
**Highly repetitive DNA**
origin of the *Crepis capillaris* B chromosome: JAMILENA, RUIZ REJON AND RUIZ REJON **107.3**, 703.
**Histamine**
$[Ca^{2+}]_i$ in tracheal epithelial cells: DAVIS, SILSKI AND PEREZ **107**, 2899.
**HMG box**
regulation of Ras exchange factor: HUGHES, YABANA AND YAMAMOTO **107**, 3635.
**Homeotic gene**
connectin in *Drosophila* embryogenesis: MEADOWS, GELL, BROADIE, GOULD AND WHITE **107**, 321.
molecular mechanisms of cellular determination: SINGH **107**, 2653.
**Homologous recombination**
LRP defect causes *Pseudomonas* exotoxin A resistance: WILLNOW AND HERZ **107.3**, 719.
**Hormonal regulation of gene expression**
uncoupling protein expression in HIB 1B cell line: KLAUS, CHOY, CHAMPIGNY, CASSARD-DOULCIER, ROSS, SPIEGELMAN AND RICQUIER **107**, 313.
**HPV**
CK19 expression and p53 inactivation in keratinocytes: MOLES, SCHILLER, TESNIERE, LEIGH, GUILHOU AND BASSET-SEGUIN **107.2**, 435.
**hsc 70**
endocytosis is sensitive to anti-UA/hsc70: HONING, KREIMER, ROBENEK AND JOCKUSCH **107**, 1185.
**hsp70 synthesis**
regulation of *hsp70* gene expression: LIU, CORRY AND LEE **107**, 2209.
**Human**
morphogenesis of mammary cells: BERDICHEVSKY, ALFORD, D'SOUZA AND TAYLOR-PAPADIMITRIOU **107**, 3557.
**Human breast**
human mammary fibroblast sub-populations: ATHERTON, O'HARE, BULUWELA, TITLEY, MONAGHAN, PATERSON, WARBURTON AND GUSTERSON **107**, 2931.
**Human development**
mucin developmental expression: CHAMBERS, HOLLINGSWORTH, TREZISE AND HARRIS **107.2**, 413.
**Human fibroblast**
proliferation in normal and progeroid fibroblasts: KILL, FARAGHER, LAWRENCE AND SHALL **107.2**, 571.
**Human keratinocyte**
growth arrest of human keratinocytes: VAN RUISSEN, VAN ERP, DE JONGH, BOEZEMAN, VAN DE KERKHOF AND SCHALKWIJK **107**, 2219.
**Human serum albumin**
directed transfer from the ER to the Golgi apparatus: MIZUNO AND SINGER **107**, 1321.

**Hyaluronan**
epican mediates cell-cell adhesion: MILSTONE, HOUGH-MONROE, KUGELMAN, BENDER AND HAGGERTY **107**, 3183.
hyaluronan in the growth plate: PAVASANT, SHIZARI AND UNDERHILL **107**, 2669.
**Hyaluronan receptor**
CD44 cytoplasmic domain: ISACKE **107**, 2353.
***Hydra***
tropomyosin in *Hydra*: LOPEZ DE HARO, SALGADO, DAVID AND BOSCH **107**, 1403.
**Hyphae**
cytoskeleton and ion channel distribution: LEVINA, LEW AND HEATH **107**, 127.
**Ig superfamily**
immunoglobulin structural motifs: HOLNESS AND SIMMONS **107**, 2065.
**IL-1**
effect of IL-1α and EGF on collagenase in ECM: VAN DER ZEE, EVERTS, HOEBEN AND BEERTSEN **107**, 1047.
**Image analysis**
transcription in S-phase: WANSINK, MANDERS, VAN DER KRAAN, ATEN, VAN DRIEL AND DE JONG **107**, 1449.
**Immediate early gene**
induction of 'metabolic genes': BURGER, WICK, BRUSSELBACH AND MULLER **107**, 241.
mitogen-induced genes: WICK, BURGER, BRUSSELBACH, LUCIBELLO AND MULLER **107**, 227.
**Immortalization**
immortalized dermal papilla cells: FILSELL, LITTLE, STONES, GRANGER AND BAYLEY **107**, 1761.
**Immunocytochemical localization**
U3 snRNA during the cell cycle: AZUM-GELADE, NOAILLAC-DEPEYRE, CAIZERGUES-FERRER AND GAS **107.2**, 463.
**Immunocytochemistry**
DHP receptor $\alpha_2/\delta$ subunit, N-Cam and myogenesis: VANDAELE AND RIEGER **107**, 1217.
SC proteins: DOBSON, PEARLMAN, KARAISKAKIS, SPYROPOULOS AND MOENS **107**, 2749.
**Immunoelectron microscopy**
anti-tektin staining of centrosomes: STEFFEN, FAJER AND LINCK **107**, 2095.
cytoplasmic dynein in spermatids: YOSHIDA, IOSHII, IMANAKA-YOSHIDA AND IZUTSU **107.3**, 625.
directed transfer from the ER to the Golgi apparatus: MIZUNO AND SINGER **107**, 1321.
glycolipids of *Leishmania mexicana*: WINTER, FUCHS, MCCONVILLE, STIERHOF AND OVERATH **107**, 2471.
MCH molecules in infected macrophages: LANG, DE CHASTELLIER, FREHEL, HELLIO, METEZEAU, LEAO AND ANTOINE **107**, 69.
**Immunofluorescence**
Golgi-associated kinesin: MARKS, LARKIN AND MCNIVEN **107**, 2417.
polar centres in male sciarid meiosis: FUGE **107**, 299.
structural stability of replicon clusters: SPARVOLI, LEVI AND ROSSI **107**, 3097.
targeting of Gαi proteins: BRUNO DE ALMEIDA, HOLTZMAN, PETERS, ERCOLANI, AUSIELLO AND STOW **107.3**, 507.
**Immunogenicity**
isolation and characterisation of human type II pneumocytes: CUNNINGHAM, MILNE, WILKES, DARK, TETLEY AND KIRBY **107.2**, 443.
**Immunogold electron microscopy**
domain boundaries at the annulus: CESARIO AND BARTLES **107.2**, 561.
**Immunohistochemistry**
cytoplasmic dynein in spermatids: YOSHIDA, IOSHII, IMANAKA-YOSHIDA AND IZUTSU **107.3**, 625.
tissue-specific expression of the fibril-associated collagens: WALCHLI, KOCH, CHIQUET, ODERMATT AND TRUEB **107.2**, 669.
**Immunolocalization**
effect of IL-1α and EGF on collagenase in ECM: VAN DER ZEE, EVERTS, HOEBEN AND BEERTSEN **107**, 1047.
extracellular annexin II in keratinocytes: MA, BELL, MITTAL AND HARRISON **107**, 1973.
glycolipid polarity dynamics at the sperm surface: GADELLA, GADELLA JR, COLENBRANDER, VAN GOLDE AND LOPES-CARDOZO **107**, 2151.
protein phosphatase 2A substrate specificity: MAYER-JAEKEL, OHKURA, FERRIGNO, ANDJELKOVIC, SHIOMI, UEMURA, GLOVER AND HEMMINGS **107**, 2609.
**Immunosuppressant**
role of fission yeast ppb1 phosphatase: YOSHIDA, TODA AND YANAGIDA **107**, 1725.
**Immunotoxin**
HSPG specific immunotoxin: MESRI, ONO, KREITMAN, KLAGSBRUN AND PASTAN **107**, 2599.
**In situ hybridization**
3-D localization of 18 S rRNA genes: MONTIJN, HOUTSMULLER, OUD AND NANNINGA **107.3**, 457.
effects of astrocytes on fibronectin: JIANG, LIOU, BEHZADIAN AND CALDWELL **107**, 2499.
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
origin of the *Crepis capillaris* B chromosome: JAMILENA, RUIZ REJON AND RUIZ REJON **107.3**, 703.
proteins and mRNAs at costameres: MORRIS AND FULTON **107.3**, 377.
ribosomes of cryptomonad endosymbionts: MCFADDEN, GILSON AND DOUGLAS **107.2**, 649.
rRNA and proteins in nucleoids of *Olea europaea*: ALCHE, FERNANDEZ AND RODRIGUEZ-GARCIA **107.2**, 621.
tissue-specific expression of the fibril-associated collagens: WALCHLI, KOCH, CHIQUET, ODERMATT AND TRUEB **107.2**, 669.
U3 snRNA during the cell cycle: AZUM-GELADE, NOAILLAC-DEPEYRE, CAIZERGUES-FERRER AND GAS **107.2**, 463.
**Inflammation**
a novel role for E- and P-selectins: KAPLANSKI, FARNARIER, BENOLIEL, FOA, KAPLANSKI AND BONGRAND **107**, 2449.
**Inhibitor**
involvement of MMPs in bone resorption: HILL, MURPHY, DOCHERTY, HEMBRY, MILLICAN, REYNOLDS AND MEIKLE **107**, 3055.
**Inhibitory substrate**
tenascin-R and tenascin-C block fibronectin-mediated adhesion: PESHEVA, PROBSTMEIER, SKUBITZ, MCCARTHY, FURCHT AND SCHACHNER **107**, 2323.
**Initiation**
transcription and initiation of replication: BASSIM HASSAN AND COOK **107**, 1381.
**Inner arm**
interaction of dynein with microtubules: YOKOTA AND MABUCHI **107.2**, 353.
isolation of C/A dynein: YOKOTA AND MABUCHI **107.2**, 345.
**Insect muscle**
zeelins in insect muscle thick filaments: FERGUSON, LAKEY, HUTCHINGS, BUTCHER, LEONARD AND BULLARD **107**, 1115.
**Integrin**
$\alpha_6\beta_1$ and $\alpha_6\beta_4$ integrin internalization: GAIETTA, REDELMEIER, JACKSON, TAMURA AND QUARANTA **107**, 3339.
$\alpha_6\beta_4$ in peripheral nerves: NIESSEN, CREMONA, DAAMS, FERRARESI, SONNENBERG AND MARCHISIO **107.2**, 543.
binding properties of laminin isoforms: BROWN, WIEDEMANN AND TIMPL **107**, 329.
inhibition of cell attachment by downregulation of calreticulin

expression: LEUNG-HAGESTEIJN, MILANKOV, MICHALAK, WILKINS AND DEDHAR **107.3**, 589.
integrin $\alpha_6\beta_4$ mediates rolling on laminin: TOZEREN, KLEINMAN, WU, MERCURIO AND BYERS **107**, 3153.
integrin-binding sites in VCAM-1: CLEMENTS, NEWHAM, SHEPHERD, GILBERT, DUDGEON, NEEDHAM, EDWARDS, BERRY, BRASS AND HUMPHRIES **107**, 2127.
integrin regulation in neurite outgrowth: CARMELIET, HIMPENS AND CASSIMAN **107**, 3379.
integrin-type II collagen binding: TUCKWELL, AYAD, GRANT, TAKIGAWA AND HUMPHRIES **107**, 993.
integrins and epithelial cell surface polarity: OJAKIAN AND SCHWIMMER **107.3**, 561.
integrins in colonic cancer cells: SIMON-ASSMANN, LEBERQUIER, MOLTO, UEZATO, BOUZIGES AND KEDINGER **107.3**, 577.
integrins in melanocyte attachment and dendricity: HARA, YAAR, TANG, ELLER, REENSTRA AND GILCHREST **107**, 2739.
integrins in normal and transformed MDCK cells: SCHOENENBERGER, ZUK, ZINKL, KENDALL AND MATLIN **107.2**, 527.
laminin, integrins and muscle migration: CLYMAN, TANNENBAUM, CHEN, COOPER, YURCHENCO, KRAMER AND WALEH **107**, 1007.
LFA-1 redistribution upon ICAM-1 adhesion: MEIJNE, DRIESSENS, LA RIVIERE, CASEY, FELTKAMP AND ROOS **107**, 2557.
L-14 lectin and $\alpha_7\beta_1$ integrin ligand binding: GU, WANG, SONG, COOPER AND KAUFMAN **107**, 175.
$Mn^{2+}$ reverses pertussis toxin effect: LA RIVIERE, KLEIN GEBBINCK, DRIESSENS AND ROOS **107.3**, 551.

**$\beta_1$ Integrin**
tenascin-R and tenascin-C block fibronectin-mediated adhesion: PESHEVA, PROBSTMEIER, SKUBITZ, MCCARTHY, FURCHT AND SCHACHNER **107**, 2323.

**$\beta_4$ Variant**
$\alpha_6\beta_4$ in peripheral nerves: NIESSEN, CREMONA, DAAMS, FERRARESI, SONNENBERG AND MARCHISIO **107.2**, 543.

**Interaction**
cadherin-catenin complex assembly: ABERLE, BUTZ, STAPPERT, WEISSIG, KEMLER and HOSCHUETZKY **107**, 3655.

**Intercellular communication**
lens cell communication: BASSNETT, KUSZAK, REINISCH, BROWN AND BEEBE **107**, 799.
mechanically-induced calcium changes: BOITANO, SANDERSON AND DIRKSEN **107**, 3037.
properties of chimeric connexins: BRUZZONE, WHITE AND PAUL **107**, 955.

**Intercellular junction**
actin and tight junctions: STEVENSON AND BEGG **107.3**, 367.

**Intercellular transport**
cytoplasmic transport in ovarian follicles: BOHRMANN AND BIBER **107**, 849.

**Interleukin**
tenascin/neuronectin regulation: RETTIG, ERICKSON, ALBINO AND GARIN-CHESA **107.2**, 487.

**Interleukin 2**
endosomal trafficking of interleukin 2 and transferrin: DUPREZ, SMOLJANOVIC, LIEB AND DAUTRY-VARSAT **107**, 1289.

**Intermediate compartment**
CaBP1 is not a resident protein of the intermediate compartment: FULLEKRUG, SONNICHSEN, WUNSCH, ARSEVEN, NGUYEN VAN, SOLING AND MIESKES **107**, 2719.
morphology of post-ER membranous elements: SESSO, DE FARIA, SADAYO, IWAMURA AND CORREA **107.3**, 517.

**Intermediate filament**
anti-tektin staining of centrosomes: STEFFEN, FAJER AND LINCK **107**, 2095.
intermediate filaments and nuclear morphology: SARRIA, LIEBER, NORDEEN AND EVANS **107**, 1593.
L1-2 mutations in EBS: CHAN, YU, LEBLANC-STRACESKI, CHRISTIANO, PULKKINEN, KUCHERLAPATI, UITTO AND FUCHS **107**, 765.
N-terminal motifs important to GFAP assembly: RALTON, LU, HUTCHESON AND QUINLAN **107**, 1935.
novel IF from hagfish: KOCH, SPITZER, PITHAWALLA AND PARRY **107**, 3133.
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
proteins and mRNAs at costameres: MORRIS AND FULTON **107.3**, 377.
the endless story of GFAP: CHEN AND LIEM **107**, 2299.

**Intermediate filament function**
vimentin affects glycolipid biosynthesis: GILLARD, THURMON, HARRELL, CAPETANAKI, SAITO, YU AND MARCUS **107**, 3545.

**Internalization**
$\alpha_6\beta_1$ and $\alpha_6\beta_4$ integrin internalization: GAIETTA, REDELMEIER, JACKSON, TAMURA AND QUARANTA **107**, 3339.
endosomal trafficking of interleukin 2 and transferrin: DUPREZ, SMOLJANOVIC, LIEB AND DAUTRY-VARSAT **107**, 1289.
heparan sulfate proteoglycans: QUARTO AND AMALRIC **107**, 3201.
invariant chain internalization signals: BREMNES, MADSEN, GEDDE-DAHL AND BAKKE **107**, 2021.

**Interphase**
microtubule polymer in interphase and mitosis: ZHAI AND BORISY **107**, 881.

**Intestinal epithelium**
GPI-membrane anchor and intracellular accumulation of proteins: NICOLAS, TIVERON, DAVOUST AND REGGIO **107**, 2679.

**Intracellular calcium concentration**
$[Ca^{2+}]_i$ in tracheal epithelial cells: DAVIS, SILSKI AND PEREZ **107**, 2899.

**Intracellular motility**
*Listeria* subversion of the cytoskeleton: TEMM-GROVE, JOCKUSCH, ROHDE, NIEBUHR, CHAKRABORTY AND WEHLAND **107**, 2951.

**Intracellular oscillator**
chemotaxis and chemokinesis in *Dictyostelium*: VICKER **107.2**, 659.

**Intracellular parasite**
*Listeria* subversion of the cytoskeleton: TEMM-GROVE, JOCKUSCH, ROHDE, NIEBUHR, CHAKRABORTY AND WEHLAND **107**, 2951.

**Intracellular transport**
brefeldin A and the TGN of MDCK cells: WAGNER, RAJASEKARAN, HANZEL, MAYOR AND RODRIGUEZ-BOULAN **107**, 933.
routing of LGPs in trypanosomes: BRICKMAN AND BALBER **107**, 3191.

**Invariant chain**
invariant chain internalization signals: BREMNES, MADSEN, GEDDE-DAHL AND BAKKE **107**, 2021.

**Invasion**
phagosomes and cancer cell invasion: MONTCOURRIER, MANGEAT, VALEMBOIS, SALAZAR, SAHUQUET, DUPERRAY AND ROCHEFORT **107**, 2381.

**Ion channel**
mechanically-induced calcium changes: BOITANO, SANDERSON AND DIRKSEN **107**, 3037.

**Islet**
annexin I and II levels in pancreatic islets: OHNISHI, TOKUDA, MASAKI, FUJIMURA, TAI, MATSUI, ITANO, ISHIDA, TAKAHARA, KONISHI AND HATASE **107**, 2117.

**Islets of Langerhans**
N-CAM and pancreatic islet architecture: CIRULLI, BAETENS, RUTISHAUSER, HALBAN, ORCI AND ROUILLER **107**, 1429.

**Isoform**
extracellular annexin II in keratinocytes: MA, BELL, MITTAL AND HARRISON **107**, 1973.

**Isolated perfused liver**
appearance of Cx26 in isolated perfused rat liver: KOJIMA, SAWADA, OYAMADA, CHIBA, ISOMURA AND MORI **107**, 3579.
**Isolation**
extracellular annexin II in keratinocytes: MA, BELL, MITTAL AND HARRISON **107**, 1973.
**Isopeptide**
cross-linking in hair, feather and teeth: RICE, WONG AND PINKERTON **107**, 1985.
**Junction**
cellular targets of H-7: CITI, VOLBERG, BERSHADSKY, DENISENKO AND GEIGER **107.3**, 683.
junction assembly with protein kinase inhibitors: DENISENKO, BURIGHEL AND CITI **107**, 969.
**$K^+$-ATPase**
ATP depletion: II. Internalization of $Na^+$,$K^+$-ATPase and E-cadherin: MANDEL, DOCTOR AND BACALLAO **107**, 3315.
**$K^+$ channel**
osteoclast G proteins: ARKETT, DIXON AND SIMS **107.2**, 517.
**KDEL-receptor**
retention and retrieval of calreticulin: SONNICHSEN, FULLEKRUG, NGUYEN VAN, DIEKMANN, ROBINSON AND MIESKES **107**, 2705.
**KDEL-retention signal**
CaBP1 is not a resident protein of the intermediate compartment: FULLEKRUG, SONNICHSEN, WUNSCH, ARSEVEN, NGUYEN VAN, SOLING AND MIESKES **107**, 2719.
**Keratin**
L1-2 mutations in EBS: CHAN, YU, LEBLANC-STRACESKI, CHRISTIANO, PULKKINEN, KUCHERLAPATI, UITTO AND FUCHS **107**, 765.
vimentin's tail: CARY, KLYMKOWSKY, EVANS, DOMINGO, DENT AND BACKHUS **107**, 1609.
**Keratin-desmosome interaction**
cloning of desmosomal band 6 protein: HATZFELD, KRISTJANSSON, PLESSMANN AND WEBER **107**, 2259.
**Keratin expression**
spontaneous corneal epithelial cell line: CASTRO-MUNOZLEDO **107**, 2343.
**Keratin filament assembly**
function of keratin head domains: HATZFELD AND BURBA **107**, 1959.
**Keratin head domain**
function of keratin head domains: HATZFELD AND BURBA **107**, 1959.
**Keratin homologue**
novel IF from hagfish: KOCH, SPITZER, PITHAWALLA AND PARRY **107**, 3133.
**Keratin phosphorylation**
mitotic arrest and terminal GlcNAc's: CHOU AND OMARY **107**, 1833.
**Keratinocyte**
cadherins in melanocyte-keratinocyte interaction: TANG, ELLER, HARA, YAAR, HIROHASHI AND GILCHREST **107**, 983.
CK19 expression and p53 inactivation in keratinocytes: MOLES, SCHILLER, TESNIERE, LEIGH, GUILHOU AND BASSET-SEGUIN **107.2**, 435.
E-cadherin signaling through PKC: LEWIS, JENSEN, JOHNSON AND WHEELOCK **107**, 3615.
epican mediates cell-cell adhesion: MILSTONE, HOUGH-MONROE, KUGELMAN, BENDER AND HAGGERTY **107**, 3183.
keratinocyte cell envelope proteins: STEVEN AND STEINERT **107.2**, 693.
mesenchyme and keratinocyte outgrowth: TUAN, KELLER, SUN, NIMNI AND CHEUNG **107**, 2285.
**Kidney collecting duct**
a 28 kDa orthogonal array protein in kidney: VERBAVATZ, VAN HOEK, MA, SABOLIC, VALENTI, ELLISMAN, AUSIELLO, VERKMAN AND BROWN **107**, 1083.
**Kinesin**
a kinesin-related protein of the central pair apparatus: JOHNSON, HAAS AND ROSENBAUM **107**, 1551.
microtubule binding of kinesin and tau: MARYA, SYED, FRAYLICH AND EAGLES **107**, 339.
molecular phylogeny of kinesin proteins: GOODSON, KANG AND ENDOW **107**, 1875.
**Kinesin-like protein**
baculovirus expression of a kinesin-like protein: KURIYAMA, DRAGAS-GRANOIC, MAEKAWA, VASSILEV, KHODJAKOV AND KOBAYASHI **107**, 3485.
**Kinetochore**
*Drosophila* zw10 protein: WILLIAMS AND GOLDBERG **107**, 785.
minor satellite and centromeres in mouse: VIG, LATOUR AND FRANKOVICH **107**, 3091.
monopolar spindles: CASSIMERIS, RIEDER AND SALMON **107**, 285.
**Kinetochore directional instability**
monopolar spindles: CASSIMERIS, RIEDER AND SALMON **107**, 285.
**Kinetochore orientation**
polar centres in male sciarid meiosis: FUGE **107**, 299.
**Kinetoplast**
trypanosomatid DNA replication genes: PASION, BROWN, BROWN AND RAY **107**, 3515.
**Ku autoantigen**
assembly of Ku autoantigen: WANG, SATOH, PIERANI, SCHMITT, CHOU, STUNNENBERG, ROEDER AND REEVES **107**, 3223.
**L cell**
epican mediates cell-cell adhesion: MILSTONE, HOUGH-MONROE, KUGELMAN, BENDER AND HAGGERTY **107**, 3183.
**L-14 lectin**
L-14 lectin and $\alpha_7\beta_1$ integrin ligand binding: GU, WANG, SONG, COOPER AND KAUFMAN **107**, 175.
**Lamellipodium**
contact inhibition-like responses: NAGASAKI, LIAO AND GUNDERSEN **107**, 3413.
**Lamin**
dinoflagellate nuclear matrix: MINGUEZ, FRANCA AND MORENO DIAZ DE LA ESPINA **107**, 2861.
laminin function in nuclear assembly and DNA replication: HUTCHISON, BRIDGER, COX AND KILL **107**, 3259.
**Lamin A**
lamin isoprenylation and membrane attachment: HENNEKES AND NIGG **107**, 1019.
prelamin A inhibits DNA synthesis: SINENSKY, MCLAIN AND FANTLE **107**, 2215.
the processing pathway of prelamin A: SINENSKY, FANTLE, TRUJILLO, MCLAIN, KUPFER AND DALTON **107**, 61.
**Lamin receptor**
lamin isoprenylation and membrane attachment: HENNEKES AND NIGG **107**, 1019.
**Laminin**
astrocyte neurite growth inhibitor: SMITH-THOMAS, FOK-SEANG, STEVENS, DU, MUIR, FAISSNER, GELLER, ROGERS AND FAWCETT **107**, 1687.
effects of astrocytes on fibronectin: JIANG, LIOU, BEHZADIAN AND CALDWELL **107**, 2499.
EGF regulates ECM assembly during HC11 differentation: CHAMMAS, TAVERNA, CELLA, SANTOS AND HYNES **107**, 1031.
integrin $\alpha_6\beta_4$ mediates rolling on laminin: TOZEREN, KLEINMAN, WU, MERCURIO AND BYERS **107**, 3153.
integrins in colonic cancer cells: SIMON-ASSMANN, LEBERQUIER, MOLTO, UEZATO, BOUZIGES AND KEDINGER **107.3**, 577.
integrins in melanocyte attachment and dendricity: HARA, YAAR, TANG, ELLER, REENSTRA AND GILCHREST **107**, 2739.
L-14 lectin and $\alpha_7\beta_1$ integrin ligand binding: GU, WANG, SONG, COOPER AND KAUFMAN **107**, 175.

laminin, integrins and muscle migration: CLYMAN, TANNENBAUM, CHEN, COOPER, YURCHENCO, KRAMER AND WALEH **107**, 1007.
P185$^{neuN}$ facilitates differentiation: LUCASSEN, ANDRES, REICHMANN, ENTWISTLE AND NOBLE **107**, 2919.
**Laminin receptor**
identification of an integrin receptor complex: DE CURTIS AND GATTI **107**, 3165.
**Laminin synthesis**
GalTase effects on growth/differentiation: MAILLET AND SHUR **107**, 1713.
**LDL**
transferrin and LDL trafficking in HEp2 cells: GHOSH, GELMAN AND MAXFIELD **107**, 2177.
**Leading edge**
contact inhibition-like responses: NAGASAKI, LIAO AND GUNDERSEN **107**, 3413.
***Leishmania amazonensis***
MCH molecules in infected macrophages: LANG, DE CHASTELLIER, FREHEL, HELLIO, METEZEAU, LEAO AND ANTOINE **107**, 69.
targeted fusion of phagocytic vesicles: VERAS, DE CHASTELLIER, MOREAU, VILLIERS, THIBON, MATTEI AND RABINOVITCH **107**, 3065.
***Leishmania donovani***
*Leishmania donovani*-infected macrophages: LANG, HELLIO, KAYE AND ANTOINE **107**, 2137.
***Leishmania mexicana***
glycolipids of *Leishmania mexicana*: WINTER, FUCHS, MCCONVILLE, STIERHOF AND OVERATH **107**, 2471.
**Lens**
lens cell communication: BASSNETT, KUSZAK, REINISCH, BROWN AND BEEBE **107**, 799.
lens tropomodulin, tropomyosin and actin: WOO AND FOWLER **107**, 1359.
**Leucine-rich repeat family**
connectin in *Drosophila* embryogenesis: MEADOWS, GELL, BROADIE, GOULD AND WHITE **107**, 321.
**Limb-bud**
macrophages and embryonic wound healing: HOPKINSON-WOOLLEY, HUGHES, GORDON AND MARTIN **107**, 1159.
**Limb development**
elastin in the developing chick limb: HURLE, CORSON, DANIELS, REITER, SAKAI AND SOLURSH **107**, 2623.
**Lipid polarity**
glycolipid polarity dynamics at the sperm surface: GADELLA, GADELLA JR, COLENBRANDER, VAN GOLDE AND LOPES-CARDOZO **107**, 2151.
**Liver**
calmodulin binding to myosin-1: COLUCCIO **107**, 2279.
Golgi-associated kinesin: MARKS, LARKIN AND MCNIVEN **107**, 2417.
WIF-B cells: a polarized hepatoma hybrid: SHANKS, CASSIO, LECOQ AND HUBBARD **107**, 813.
**Living cell**
AFM of MDCK cells: HOH AND SCHOENENBERGER **107**, 1105.
**Localization**
expression and localization of glucose transporters: GUILLET-DENIAU, LETURQUE AND GIRARD **107.3**, 487.
RNA14p and RNA15p localization: BONNEAUD, MINVIELLE-SEBASTIA, CULLIN AND LACROUTE **107**, 913.
specific localization of p100-GAP: MOLLAT, FOURNIER, YANG, ALSAT, ZHANG, EVAIN-BRION, GRASSI AND THANG **107.3**, 427.
transcription in S-phase: WANSINK, MANDERS, VAN DER KRAAN, ATEN, VAN DRIEL AND DE JONG **107**, 1449.
**Lovastin**
prelamin A inhibits DNA synthesis: SINENSKY, MCLAIN AND FANTLE **107**, 2215.
**Low density lipoprotein**
transferrin and LDL trafficking in HEp2 cells: GHOSH, GELMAN AND MAXFIELD **107**, 2177.
**LSP1**
embryonic expression of the Lsp1 gene: MISENER, HUI, MALAPITAN, ITTEL, JOYNER AND JONGSTRA **107**, 3591.
**Lung**
isolation and characterisation of human type II pneumocytes: CUNNINGHAM, MILNE, WILKES, DARK, TETLEY AND KIRBY **107.2**, 443.
**Lysosomal membrane glycoprotein**
routing of LGPs in trypanosomes: BRICKMAN AND BALBER **107**, 3191.
**Lysosome**
colocalization of V-H$^+$-ATPase and a Rab4-like GTPase: BUSH, NOLTA, RODRIGUEZ-PARIS, KAUFMANN, O'HALLORAN, RUSCETTI, TEMESVARI, STECK AND CARDELLI **107**, 2801.
MCH molecules in infected macrophages: LANG, DE CHASTELLIER, FREHEL, HELLIO, METEZEAU, LEAO AND ANTOINE **107**, 69.
**Lysosome biogenesis**
interaction of lysosomes and late endosomes: JAHRAUS, STORRIE, GRIFFITHS AND DESJARDINS **107**, 145.
**α2-Macroglobulin**
LRP defect causes *Pseudomonas* exotoxin A resistance: WILLNOW AND HERZ **107.3**, 719.
**Macromolecular assembly**
nucleoporin p62 domain structure: BUSS, KENT, STEWART, BAILER AND HANOVER **107.2**, 631.
**Macrophage**
glycolipids of *Leishmania mexicana*: WINTER, FUCHS, MCCONVILLE, STIERHOF AND OVERATH **107**, 2471.
macrophages and embryonic wound healing: HOPKINSON-WOOLLEY, HUGHES, GORDON AND MARTIN **107**, 1159.
MCH molecules in infected macrophages: LANG, DE CHASTELLIER, FREHEL, HELLIO, METEZEAU, LEAO AND ANTOINE **107**, 69.
*Leishmania donovani*-infected macrophages: LANG, HELLIO, KAYE AND ANTOINE **107**, 2137.
**Mammalian expression vector**
suppression of proliferation by RAR-β: FRANGIONI, MOGHAL, STUART-TILLEY, NEEL AND ALPER **107**, 827.
**Mammary**
morphogenesis of mammary cells: BERDICHEVSKY, ALFORD, D'SOUZA AND TAYLOR-PAPADIMITRIOU **107**, 3557.
P185$^{neuN}$ facilitates differentiation: LUCASSEN, ANDRES, REICHMANN, ENTWISTLE AND NOBLE **107**, 2919.
**Mammary epithelial cell differentiation**
EGF regulates ECM assembly during HC11 differentation: CHAMMAS, TAVERNA, CELLA, SANTOS AND HYNES **107**, 1031.
***Manduca***
16 kDa proteolipid and ductin are the same in insects: FINBOW, GOODWIN, MEAGHER, LANE, KEEN, FINDLAY AND KAISER **107**, 1817.
**MAP (25 kDa)**
ensconsin, a novel MT-stabilizing MAP: BULINSKI AND BOSSLER **107**, 2839.
**MAP1B**
a MAP1B-related centrosomal protein: DOMINGUEZ, BUENDIA, LOPEZ-OTIN, ANTONY, KARSENTI AND AVILA **107.2**, 601.
novel microtubule-binding domain: CRAVCHIK, REDDY AND MATUS **107.3**, 661.
**MAPIA**
novel microtubule-binding domain: CRAVCHIK, REDDY AND MATUS **107.3**, 661.
**MAP kinase**
M phase entry in mouse oocytes: GAVIN, CAVADORE AND SCHORDERET-SLATKINE **107**, 275.
role of yeast MAP kinase homolog: FUJIMURA **107**, 2617.

**Marginal band**
ERM in marginal band of avian erythrocytes: WINCKLER, GONZALEZ AGOSTI, MAGENDANTZ AND SOLOMON **107**, 2523.
**Marker protein**
suppression of proliferation by RAR-β: FRANGIONI, MOGHAL, STUART-TILLEY, NEEL AND ALPER **107**, 827.
**Mating**
regulation of Ras exchange factor: HUGHES, YABANA AND YAMAMOTO **107**, 3635.
**Mating-type repression**
molecular mechanisms of cellular determination: SINGH **107**, 2653.
**Maturation-promoting factor**
M phase entry in mouse oocytes: GAVIN, CAVADORE AND SCHORDERET-SLATKINE **107**, 275.
**MCM2**
a putative human homologue of yeast Mcm2p: TODOROV, PEPPERKOK, PHILIPOVA, KEARSEY, ANSORGE AND WERNER **107**, 253.
*S. pombe cdc19*$^+$ gene encodes MCM2 homologue: FORSBURG AND NURSE **107**, 2779.
**MCP**
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
**MDCK**
integrins in normal and transformed MDCK cells: SCHOENENBERGER, ZUK, ZINKL, KENDALL AND MATLIN **107.2**, 527.
**MDCK cell**
brefeldin A and the TGN of MDCK cells: WAGNER, RAJASEKARAN, HANZEL, MAYOR AND RODRIGUEZ-BOULAN **107**, 933.
substratum adhesion and scatter factor activity: CLARK **107**, 1265.
***mdx* mouse**
dystrophin subdomain localisation: DUNCKLEY, WELLS, PIPER, WELLS AND DICKSON **107**, 1469.
**Mechanical stimulation**
mechanically-induced calcium changes: BOITANO, SANDERSON AND DIRKSEN **107**, 3037.
**Meiosis**
anaphase microtubule depolymerization: WILSON, FORER AND LEGGIADRO **107**, 3015.
cyclin in cell cycle exit: FORSBURG AND NURSE **107.3**, 601.
*Drosophila* spermatogenesis: CENCI, BONACCORSI, PISANO, VERNI AND GATTI **107**, 3521.
meiotic cell cycles in *Xenopus* oocytes: OHSUMI, SAWADA AND KISHIMOTO **107**, 3005.
RMSA-1 on meiotic crane-fly chromosomes: YEO, FORER AND TOH **107**, 1845.
**Melanin**
effects of MSH on human melanocytes: HUNT, TODD, CRESSWELL AND THODY **107**, 205.
**Melanoblast**
melanoblast proliferation and protein kinase C: HIROBE **107**, 1679.
**Melanocyte**
cadherins in melanocyte-keratinocyte interaction: TANG, ELLER, HARA, YAAR, HIROHASHI AND GILCHREST **107**, 983.
effects of MSH on human melanocytes: HUNT, TODD, CRESSWELL AND THODY **107**, 205.
integrins in melanocyte attachment and dendricity: HARA, YAAR, TANG, ELLER, REENSTRA AND GILCHREST **107**, 2739.
melanoblast proliferation and protein kinase C: HIROBE **107**, 1679.
retinoic acid and UVB-induced melanogenesis: ROMERO, ABERDAM, LARNIER AND ORTONNE **107**, 1095.
**Melanogenesis**
PKc and melanogenesis: CARSBERG, WARENIUS AND FRIEDMANN **107**, 2591.
**Membrane**
turnover and regeneration of sea urchin embryonic cilia: STEPHENS **107.2**, 683.
**Membrane anchor**
intracellular transport of Sso2p: JANTTI, KERANEN, TOIKKANEN, KUISMANEN, EHNHOLM, SODERLUND AND OLKKONEN **107**, 3623.
**Membrane attachment**
lamin isoprenylation and membrane attachment: HENNEKES AND NIGG **107**, 1019.
**Membrane-cytoskeleton**
self-association of ezrin at the membrane: ANDREOLI, MARTIN, LE BORGNE, REGGIO AND MANGEAT **107**, 2509.
**Membrane domain**
domain boundaries at the annulus: CESARIO AND BARTLES **107.2**, 561.
**Membrane protein**
domain boundaries at the annulus: CESARIO AND BARTLES **107.2**, 561.
GPI-membrane anchor and intracellular accumulation of proteins: NICOLAS, TIVERON, DAVOUST AND REGGIO **107**, 2679.
intracellular mobility of VSV-G protein: STORRIE, PEPPERKOK, STELZER AND KREIS **107**, 1309.
WIF-B cells: a polarized hepatoma hybrid: SHANKS, CASSIO, LECOQ AND HUBBARD **107**, 813.
**Membrane traffic**
intracellular mobility of VSV-G protein: STORRIE, PEPPERKOK, STELZER AND KREIS **107**, 1309.
invariant chain internalization signals: BREMNES, MADSEN, GEDDE-DAHL AND BAKKE **107**, 2021.
motile domains in membrane tubule extension: ALLAN AND VALE **107**, 1885.
**Membrane transport**
cell swelling inhibits transport by P-gp: SARDINI, MINTENIG, VALVERDE, SEPULVEDA, GILL, HYDE, HIGGINS AND MCNAUGHTON **107**, 3281.
intracellular transport of Sso2p: JANTTI, KERANEN, TOIKKANEN, KUISMANEN, EHNHOLM, SODERLUND AND OLKKONEN **107**, 3623.
**Merlin**
structural diversity of band 4.1 superfamily members: TAKEUCHI, KAWASHIMA, NAGAFUCHI AND TSUKITA **107**, 1921.
**Merosin**
merosin expression by thyroid cells: ANDRE, FILIPPI AND FERACCI **107**, 183.
**Mesenchyme condensation**
expression of FGFR-3 in amphibian embryo: SHI, FROMENTOUX, LAUNAY, UMBHAUER AND BOUCAUT **107.3**, 417.
**Messenger RNA**
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
**Metastasis**
contact-dependent fibroblast 92 kDa gelatinase induction: HIMELSTEIN, CANETE-SOLER, BERNHARD AND MUSCHEL **107.2**, 477.
$Mn^{2+}$ reverses pertussis toxin effect: LA RIVIERE, KLEIN GEBBINCK, DRIESSENS AND ROOS **107.3**, 551.
scatter factor-like factor and tumor cells: BELLUSCI, MOENS, THIERY AND JOUANNEAU **107**, 1277.
**Methylation**
yeast chromosomes in mouse cells: MCMANUS, PERRY, SUMNER, WRIGHT, THOMSON, ALLSHIRE, HASTIE AND BICKMORE **107.3**, 469.
**MG160**
traffic of MG160: JOHNSTON, STIEBER AND GONATAS **107.3**, 529.
**MHC class I**
MCH molecules in infected macrophages: LANG, DE CHASTELLIER, FREHEL, HELLIO, METEZEAU, LEAO AND ANTOINE **107**, 69.

**MHC class II**
invariant chain internalization signals: BREMNES, MADSEN, GEDDE-DAHL AND BAKKE **107**, 2021.
MCH molecules in infected macrophages: LANG, DE CHASTELLIER, FREHEL, HELLIO, METEZEAU, LEAO AND ANTOINE **107**, 69.
**MHC molecule**
*Leishmania donovani*-infected macrophages: LANG, HELLIO, KAYE AND ANTOINE **107**, 2137.
***Micrasterias***
actin microfilaments in living *Micrasterias* cells: MEINDL, ZHANG AND HEPLER **107**, 1929.
**Microfibril**
endothelial cell connecting filament composition: DAVIS **107.3**, 727.
**Microfilament**
cytoplasmic transport in ovarian follicles: BOHRMANN AND BIBER **107**, 849.
microinjection of myosin-I: FOOTER AND BRETSCHER **107**, 1623.
**Microfilament bundle**
cell response to a cylindrical substratum: ROVENSKY AND SAMOILOV **107**, 1255.
**Microinjection**
actin microfilaments in living *Micrasterias* cells: MEINDL, ZHANG AND HEPLER **107**, 1929.
**Microinjection of antibody**
endocytosis is sensitive to anti-UA/hsc70: HONING, KREIMER, ROBENEK AND JOCKUSCH **107**, 1185.
**Microtubule (MT)**
anaphase microtubule depolymerization: WILSON, FORER AND LEGGIADRO **107**, 3015.
association of bacteria with the mitotic apparatus: CALLAINI, RIPARBELLI AND DALLAI **107.3**, 673.
cDNA clone encoding human centrin: ERRABULO, SANDERS AND SALISBURY **107**, 9.
cytoplasmic transport in ovarian follicles: BOHRMANN AND BIBER **107**, 849.
diazepam and mitosis. I.: SPURCK AND PICKETT-HEAPS **107**, 2643.
interaction of dynein with microtubules: YOKOTA AND MABUCHI **107.2**, 353.
kinesin-related proteins in flagella: FOX, SAWIN AND SALE **107**, 1545.
MAP2 function: FERRALLI, DOLL AND MATUS **107**, 3115.
microtubule binding of kinesin and tau: MARYA, SYED, FRAYLICH AND EAGLES **107**, 339.
microtubule polymer in interphase and mitosis: ZHAI AND BORISY **107**, 881.
microtubule tracks in mouse oocytes: DE PENNART, CIBERT, PETZELT AND MARO **107**, 1899.
monopolar spindles: CASSIMERIS, RIEDER AND SALMON **107**, 285.
novel microtubule-binding domain: CRAVCHIK, REDDY AND MATUS **107.3**, 661.
quantification of microtubule dynamics in living plant cells: HUSH, WADSWORTH, CALLAHAM AND HEPLER **107**, 775.
role of fission yeast ppb1 phosphatase: YOSHIDA, TODA AND YANAGIDA **107**, 1725.
role of microtubules in chemotaxis: UEDA AND OGIHARA **107**, 2071.
STM observation of microtubules: MAALOUM, CHRETIEN, KARSENTI AND HORBER **107**, 3127.
tau and microtubule stability: BAAS, PIENKOWSKI, CIMBALNIK, TOYAMA, BAKALIS, AHMAD AND KOSIK **107**, 135.
terminal reorganization of a centrosome: HENDERSON, TUCKER, CHAPLIN, MACKIE, MAIDMENT, MOGENSEN AND PATON **107.2**, 589.
TGF-β, serum and microtubule stability: GUNDERSEN, KIM AND CHAPIN **107.3**, 645.
γ-tubulin in the mitotic spindle: LAJOIE-MAZENC, TOLLON, DETRAVES, JULIAN, MOISAND, GUETH-HALLONET, DEBEC, SALLES-PASSADOR, PUGET, MAZARGUIL, RAYNAUD-MESSINA AND WRIGHT **107**, 2825.
**Microtubule (stable MT)**
ensconsin, a novel MT-stabilizing MAP: BULINSKI AND BOSSLER **107**, 2839.
**Microtubule assembly**
tau function, neurite outgrowth and stability: ESMAELI-AZAD, MCCARTY AND FEINSTEIN **107**, 869.
**Microtubule-associated protein**
a MAP1B-related centrosomal protein: DOMINGUEZ, BUENDIA, LOPEZ-OTIN, ANTONY, KARSENTI AND AVILA **107.2**, 601.
MAP2 function: FERRALLI, DOLL AND MATUS **107**, 3115.
novel microtubule-binding domain: CRAVCHIK, REDDY AND MATUS **107.3**, 661.
role of tau in process formation: LEGER, BRANDT AND LEE **107**, 3403.
tau function, neurite outgrowth and stability: ESMAELI-AZAD, MCCARTY AND FEINSTEIN **107**, 869.
**Microtubule-based motility**
cytoplasmic dynein in spermatids: YOSHIDA, IOSHII, IMANAKA-YOSHIDA AND IZUTSU **107.3**, 625.
**Microtubule-binding domain**
*Chlamydomonas* γ dynein heavy chain: WILKERSON, KING AND WITMAN **107.3**, 497.
**Microtubule-binding protein**
functional domains of CLIP-170: PIERRE, PEPPERKOK AND KREIS **107**, 1909.
**Microtubule dynamics**
contact inhibition-like responses: NAGASAKI, LIAO AND GUNDERSEN **107**, 3413.
**Microtubule motor**
a kinesin-related protein of the central pair apparatus: JOHNSON, HAAS AND ROSENBAUM **107**, 1551.
cytoplasmic dynein in *Drosophila*: HAYS, PORTER, MCGRAIL, GRISSOM, GOSCH, FULLER AND MCINTOSH **107**, 1557.
**Microtubule motor protein**
centrosomal/spindle pole defects of *ncd* mutants: ENDOW, CHANDRA, KOMMA, YAMAMOTO AND SALMON **107**, 859.
microtubule-translocating activity in tobacco BY-2 cell phragmoplasts: ASADA AND SHIBAOKA **107**, 2249.
molecular phylogeny of kinesin proteins: GOODSON, KANG AND ENDOW **107**, 1875.
**Microtubule motors**
Golgi-associated kinesin: MARKS, LARKIN AND MCNIVEN **107**, 2417.
motile domains in membrane tubule extension: ALLAN AND VALE **107**, 1885.
**Microtubule organizing centre (MTOC)**
microtubule tracks in mouse oocytes: DE PENNART, CIBERT, PETZELT AND MARO **107**, 1899.
**Microtubule poison**
*Drosophila* zw10 protein: WILLIAMS AND GOLDBERG **107**, 785.
**Microtubule stabilization**
role of tau in process formation: LEGER, BRANDT AND LEE **107**, 3403.
**Microvillus**
microinjection of myosin-I: FOOTER AND BRETSCHER **107**, 1623.
myosins of the brush border cytoskeleton: HEINTZELMAN, HASSON AND MOOSEKER **107**, 3535.
**Migration**
fibroblast phenotype heterogeneity: IRWIN, PICARDO, ELLIS, SLOAN, GREY, MCGURK AND SCHOR **107**, 1333.
**Migration stimulation factor**
fibroblast phenotype heterogeneity: IRWIN, PICARDO, ELLIS, SLOAN, GREY, MCGURK AND SCHOR **107**, 1333.
**Minor satellite DNA**
minor satellite and centromeres in mouse: VIG, LATOUR AND FRANKOVICH **107**, 3091.
**MIP26**
a 28 kDa orthogonal array protein in kidney: VERBAVATZ, VAN

HOEK, MA, SABOLIC, VALENTI, ELLISMAN, AUSIELLO, VERKMAN AND BROWN **107**, 1083.

**Mitochondrion**
okadaic acid and cell division: DAS, GALE JR, CARTER AND PARSONS **107**, 3477.
scanning force microscopy of cells: PIETRASANTA, SCHAPER AND JOVIN **107**, 2427.
trypanosomatid DNA replication genes: PASION, BROWN, BROWN AND RAY **107**, 3515.
urate oxidase and allantoinase localization: USUDA, HAYASHI, FUJIWARA, NOGUCHI, NAGATA, SAMBASIVA RAO, ALVARES, REDDY AND YELDANDI **107**, 1073.

**Mitogen**
induction of 'metabolic genes': BURGER, WICK, BRUSSELBACH AND MULLER **107**, 241.
mitogen-induced genes: WICK, BURGER, BRUSSELBACH, LUCIBELLO AND MULLER **107**, 227.

**Mitosis**
anaphase microtubule depolymerization: WILSON, FORER AND LEGGIADRO **107**, 3015.
anti-tektin staining of centrosomes: STEFFEN, FAJER AND LINCK **107**, 2095.
assay for mitotic forces in yeast: BROCK AND BLOOM **107**, 891.
baculovirus expression of a kinesin-like protein: KURIYAMA, DRAGAS-GRANOIC, MAEKAWA, VASSILEV, KHODJAKOV AND KOBAYASHI **107**, 3485.
cDNA clone encoding human centrin: ERRABULO, SANDERS AND SALISBURY **107**, 9.
cell cycle analysis of a human polo-like protein kinase: GOLSTEYN, SCHULTZ, BARTEK, ZIEMIECKI, RIED AND NIGG **107**, 1509.
diazepam and mitosis. I.: SPURCK AND PICKETT-HEAPS **107**, 2643.
*Drosophila* zw10 protein: WILLIAMS AND GOLDBERG **107**, 785.
H1 histone kinase in *S. pombe*: **107**, 1197.
microtubule polymer in interphase and mitosis: ZHAI AND BORISY **107**, 881.
okadaic acid and H1 dephosphorylation: PAULSON, CIESIELSKI, SCHRAM AND MESNER **107**, 267.
protein phosphatase 2A substrate specificity: MAYER-JAEKEL, OHKURA, FERRIGNO, ANDJELKOVIC, SHIOMI, UEMURA, GLOVER AND HEMMINGS **107**, 2609.
RMSA-1 on meiotic crane-fly chromosomes: YEO, FORER AND TOH **107**, 1845.
truncated cyclin B in *Drosophila*: RIMMINGTON, DALBY AND GLOVER **107**, 2729.
γ-tubulin in the mitotic spindle: LAJOIE-MAZENC, TOLLON, DETRAVES, JULIAN, MOISAND, GUETH-HALLONET, DEBEC, SALLES-PASSADOR, PUGET, MAZARGUIL, RAYNAUD-MESSINA AND WRIGHT **107**, 2825.

**Mitotic arrest**
mitotic arrest and terminal GlcNAc's: CHOU AND OMARY **107**, 1833.

**Mitotic control**
H1 histone kinase in *S. pombe*: **107**, 1197.

**Mitotic forces**
assay for mitotic forces in yeast: BROCK AND BLOOM **107**, 891.

**Mitotic motor**
baculovirus expression of a kinesin-like protein: KURIYAMA, DRAGAS-GRANOIC, MAEKAWA, VASSILEV, KHODJAKOV AND KOBAYASHI **107**, 3485.

**Mitotic spindle**
cell cycle analysis of a human polo-like protein kinase: GOLSTEYN, SCHULTZ, BARTEK, ZIEMIECKI, RIED AND NIGG **107**, 1509.

**MMP**
involvement of MMPs in bone resorption: HILL, MURPHY, DOCHERTY, HEMBRY, MILLICAN, REYNOLDS AND MEIKLE **107**, 3055.

**MMP-1**
effect of IL-1α and EGF on collagenase in ECM: VAN DER ZEE, EVERTS, HOEBEN AND BEERTSEN **107**, 1047.

**MMP-9**
contact-dependent fibroblast 92 kDa gelatinase induction: HIMELSTEIN, CANETE-SOLER, BERNHARD AND MUSCHEL **107.2**, 477.

**Moesin**
self-association of ezrin at the membrane: ANDREOLI, MARTIN, LE BORGNE, REGGIO AND MANGEAT **107**, 2509.

**Molecular motor**
kinesin-related proteins in flagella: FOX, SAWIN AND SALE **107**, 1545.

**Monoclonal antibody**
anti-tektin staining of centrosomes: STEFFEN, FAJER AND LINCK **107**, 2095.

**Monocyte**
neutrophil dispersive locomotion: CHETTIBI, LAWRENCE, YOUNG, LAWRENCE AND STEVENSON **107**, 3173.

**Monopolar monocentric division**
polar centres in male sciarid meiosis: FUGE **107**, 299.

**Monopolar spindle**
monopolar spindles: CASSIMERIS, RIEDER AND SALMON **107**, 285.

**Morphogenesis**
a gradient method for cell movement analysis: SIEGERT, WEIJER, NOMURA AND MIIKE **107**, 97.
elastin in the developing chick limb: HURLE, CORSON, DANIELS, REITER, SAKAI AND SOLURSH **107**, 2623.
morphogenesis of mammary cells: BERDICHEVSKY, ALFORD, D'SOUZA AND TAYLOR-PAPADIMITRIOU **107**, 3557.

**Morphology**
effects of MSH on human melanocytes: HUNT, TODD, CRESSWELL AND THODY **107**, 205.

**Morphometry**
3-D localization of 18 S rRNA genes: MONTIJN, HOUTSMULLER, OUD AND NANNINGA **107.3**, 457.

**Motif**
characterization of cadherin-4 and cadherin-5: TANIHARA, KIDO, OBATA, HEIMARK, DAVIDSON, ST JOHN AND SUZUKI **107**, 1697.

**Motility**
a putative Neu ligand induces SK-BR-3 motility: DE CORTE, DE POTTER, VANDENBERGHE, VAN LAEREBEKE, AZAM, ROELS, MAREEL AND VANDEKERCKHOVE **107.3**, 405.
microinjection of myosin-I: FOOTER AND BRETSCHER **107**, 1623.
osteoclast G proteins: ARKETT, DIXON AND SIMS **107.2**, 517.
substratum adhesion and scatter factor activity: CLARK **107**, 1265.

**Motor protein**
unconventional myosin-mediated motility: D'ANDREA, DANON, SGOURDAS AND BONDER **107**, 2081.

**Mouse**
terminal reorganization of a centrosome: HENDERSON, TUCKER, CHAPLIN, MACKIE, MAIDMENT, MOGENSEN AND PATON **107.2**, 589.

**Mouse oocyte**
M phase entry in mouse oocytes: GAVIN, CAVADORE AND SCHORDERET-SLATKINE **107**, 275.
microtubule tracks in mouse oocytes: DE PENNART, CIBERT, PETZELT AND MARO **107**, 1899.

**Mouse small intestine**
crypt cycle in mouse intestine: LI, ROBERTS, PAULUS, LOEFFLER AND POTTEN **107**, 3271.

**mRNA**
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
proteins and mRNAs at costameres: MORRIS AND FULTON **107.3**, 377.

**mRNA stability**
RNA14p and RNA15p localization: BONNEAUD, MINVIELLE-SEBASTIA, CULLIN AND LACROUTE **107**, 913.

**mRNP**
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
**MSH**
effects of MSH on human melanocytes: HUNT, TODD, CRESSWELL AND THODY **107**, 205.
**MTOC (see Microtubule organizing centre)**
**Mucin**
mucin developmental expression: CHAMBERS, HOLLINGSWORTH, TREZISE AND HARRIS **107.2**, 413.
***MUC1***
mucin developmental expression: CHAMBERS, HOLLINGSWORTH, TREZISE AND HARRIS **107.2**, 413.
**Mucosal regeneration**
heparin stimulates intestinal epithelia: FLINT, COVE AND EVANS **107.2**, 401.
**Mucus**
novel IF from hagfish: KOCH, SPITZER, PITHAWALLA AND PARRY **107**, 3133.
**Multi-catalytic proteinase**
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
**Multidrug resistance**
cell swelling inhibits transport by P-gp: SARDINI, MINTENIG, VALVERDE, SEPULVEDA, GILL, HYDE, HIGGINS AND MCNAUGHTON **107**, 3281.
**Muscle culture**
DHP receptor $\alpha_2/\delta$ subunit, N-Cam and myogenesis: VANDAELE AND RIEGER **107**, 1217.
**Muscle development**
connectin in *Drosophila* embryogenesis: MEADOWS, GELL, BROADIE, GOULD AND WHITE **107**, 321.
**Mutation**
in vivo analysis of calmodulin in yeast: HARRIS, WATTERSON AND THORNER **107**, 3235.
**Myeloid cell**
regulation of cell cycle genes: BURGER, WICK AND MULLER **107**, 2047.
***MYO4***
identification of *MYO4*: HAARER, PETZOLD, LILLIE AND BROWN **107**, 1055.
**MyoD**
A-kinase and MyoD localisation: VANDROMME, CARNAC, GAUTHIER-ROUVIERE, FESQUET, LAMB AND FERNANDEZ **107.2**, 613.
**Myodifferentiation**
aciculin in skeletal muscle: BELKIN AND BURRIDGE **107**, 1993.
**Myofibrillogenesis**
proteins and mRNAs at costameres: MORRIS AND FULTON **107.3**, 377.
**Myogenesis**
L-14 lectin and $\alpha_7\beta_1$ integrin ligand binding: GU, WANG, SONG, COOPER AND KAUFMAN **107**, 175.
**Myosin**
cleavage furrow formation in sea urchin eggs: MABUCHI **107**, 1853.
identification of *MYO4*: HAARER, PETZOLD, LILLIE AND BROWN **107**, 1055.
myosin light chain phosphorylation: LIU AND NEWELL **107**, 1737.
truncation analysis of *Dictyostelium* myosin: LEE, EGELHOFF AND SPUDICH **107**, 2875.
**Myosin (unconventional)**
myosins of the brush border cytoskeleton: HEINTZELMAN, HASSON AND MOOSEKER **107**, 3535.
**Myosin-1**
calmodulin binding to myosin-1: COLUCCIO **107**, 2279.
**Myosin-II**
myosin-II isoform localization: MAUPIN, PHILLIPS, ADELSTEIN AND POLLARD **107**, 3077.
**Myotendinous junction (MTJ)**
focal adhesion kinase in skeletal muscle: BAKER, DAGGETT AND PENG **107**, 1485.
increased talin, vinculin and DRP in *mdx*: LAW, ALLEN AND TIDBALL **107**, 1477.
**N-CAM**
N-CAM and pancreatic islet architecture: CIRULLI, BAETENS, RUTISHAUSER, HALBAN, ORCI AND ROUILLER **107**, 1429.
**$Na^+$**
ATP depletion: II. Internalization of $Na^+$,$K^+$-ATPase and E-cadherin: MANDEL, DOCTOR AND BACALLAO **107**, 3315.
**NBT II cell**
C-CAM isoforms in bladder carcinoma cells: HUNTER, LINDH AND OBRINK **107**, 1205.
**NCAM**
function of Thy-1's GPI anchor: TIVERON, NOSTEN-BERTRAND, JANI, GARNETT, HIRST, GROSVELD AND MORRIS **107**, 1783.
**Necrosis**
macrophages and embryonic wound healing: HOPKINSON-WOOLLEY, HUGHES, GORDON AND MARTIN **107**, 1159.
**Nematocyte**
tropomyosin in *Hydra*: LOPEZ DE HARO, SALGADO, DAVID AND BOSCH **107**, 1403.
**Nematoda**
MSP filaments in *Ascaris* sperm: KING, STEWART AND ROBERTS **107**, 2941.
**Neonatal haemopoiesis**
the Cx43$^+$ gap junction network in haemopoietic tissue: ROSENDAAL, GREEN, RAHMAN AND MORGAN **107**, 29.
**Neoplasia**
*ras* and cathepsin B trafficking: SLOANE, MOIN, SAMENI, TAIT, ROZHIN AND ZIEGLER **107.2**, 373.
**Neoplastic cell**
novel GPI-anchored adhesion protein: RABINO, TRUSOLINO, PRAT, CREMONA, SAVOIA AND MARCHISIO **107**, 1413.
**Nervous tissue**
glypican in nervous tissue: KARTHIKEYAN, FLAD, ENGEL, MEYER-PUTTLITZ, MARGOLIS AND MARGOLIS **107**, 3213.
***neu***
$P185^{neuN}$ facilitates differentiation: LUCASSEN, ANDRES, REICHMANN, ENTWISTLE AND NOBLE **107**, 2919.
***Neu*/HER-2**
a putative Neu ligand induces SK-BR-3 motility: DE CORTE, DE POTTER, VANDENBERGHE, VAN LAEREBEKE, AZAM, ROELS, MAREEL AND VANDEKERCKHOVE **107.3**, 405.
**Neural development**
connectin in *Drosophila* embryogenesis: MEADOWS, GELL, BROADIE, GOULD AND WHITE **107**, 321.
**Neurite outgrowth**
function of Thy-1's GPI anchor: TIVERON, NOSTEN-BERTRAND, JANI, GARNETT, HIRST, GROSVELD AND MORRIS **107**, 1783.
integrin regulation in neurite outgrowth: CARMELIET, HIMPENS AND CASSIMAN **107**, 3379.
role of tau in process formation: LEGER, BRANDT AND LEE **107**, 3403.
tenascin-R and tenascin-C block fibronectin-mediated adhesion: PESHEVA, PROBSTMEIER, SKUBITZ, MCCARTHY, FURCHT AND SCHACHNER **107**, 2323.
**Neurite stability**
tau function, neurite outgrowth and stability: ESMAELI-AZAD, MCCARTY AND FEINSTEIN **107**, 869.
**Neuritogenesis**
GAG effect on neurite outgrowth and polarity: FERNAUD-ESPINOSA, NIETO-SAMPEDRO AND BOVOLENTA **107**, 1437.
**Neuroendocrine protein**
reticulons, neuroendocrine ER proteins: VAN DE VELDE, ROEBROEK, SENDEN, RAMAEKERS AND VAN DE VEN **107**, 2403.

**Neurofilament**
phosphorylation-dependent NF structure: GOTOW, TANAKA, NAKAMURA AND TAKEDA **107**, 1949.
**Neuromuscular junction (NMJ)**
focal adhesion kinase in skeletal muscle: BAKER, DAGGETT AND PENG **107**, 1485.
**Neuron**
glutamylated tubulin in developing neurons: AUDEBERT, KOULAKOFF, BERWALD-NETTER, GROS, DENOULET AND EDDE **107**, 2313.
tau and microtubule stability: BAAS, PIENKOWSKI, CIMBALNIK, TOYAMA, BAKALIS, AHMAD AND KOSIK **107**, 135.
**Neuron polarity**
GAG effect on neurite outgrowth and polarity: FERNAUD-ESPINOSA, NIETO-SAMPEDRO AND BOVOLENTA **107**, 1437.
**Neuronal differentiation**
glutamylated tubulin in developing neurons: AUDEBERT, KOULAKOFF, BERWALD-NETTER, GROS, DENOULET AND EDDE **107**, 2313.
**Neuronal growth cone**
a morphoregulatory domain in GAP-43: STRITTMATTER, VALENZUELA AND FISHMAN **107**, 195.
**Neuronal morphology**
novel microtubule-binding domain: CRAVCHIK, REDDY AND MATUS **107.3**, 661.
**Neuronectin**
tenascin/neuronectin regulation: RETTIG, ERICKSON, ALBINO AND GARIN-CHESA **107.2**, 487.
**Neutral endopeptidase**
human mammary fibroblast sub-populations: ATHERTON, O'HARE, BULUWELA, TITLEY, MONAGHAN, PATERSON, WARBURTON AND GUSTERSON **107**, 2931.
**Neutralising antibody**
antiTGF-$\beta_{1,2}$ reduces cutaneous scarring: SHAH, FOREMAN AND FERGUSON **107**, 1137.
**Neutrophil**
neutrophil dispersive locomotion: CHETTIBI, LAWRENCE, YOUNG, LAWRENCE AND STEVENSON **107**, 3173.
**NGF**
tau function, neurite outgrowth and stability: ESMAELI-AZAD, MCCARTY AND FEINSTEIN **107**, 869.
**Nidogen**
binding properties of laminin isoforms: BROWN, WIEDEMANN AND TIMPL **107**, 329.
***NimE*$^{6cyclinB}$**
*A. nidulans nimX*$^{cdc2}$: OSMANI, VAN PEIJ, MISCHKE, O'CONNELL AND OSMANI **107**, 1519.
***NimX***
*A. nidulans nimX*$^{cdc2}$: OSMANI, VAN PEIJ, MISCHKE, O'CONNELL AND OSMANI **107**, 1519.
**Nocodazole**
mitotic arrest and terminal GlcNAc's: CHOU AND OMARY **107**, 1833.
**Novel protein kinase C (*n* PKC)**
PKCs are required for protoplast regeneration: KOBORI, TODA, YAGUCHI, TOYA, YANAGIDA AND OSUMI **107**, 1131.
**NSP gene**
reticulons, neuroendocrine ER proteins: VAN DE VELDE, ROEBROEK, SENDEN, RAMAEKERS AND VAN DE VEN **107**, 2403.
**Nuclear assembly**
DNA synthesis in *Xenopus* egg extracts: HOLA, CASTLEDEN, HOWARD AND BROOKS **107**, 3045.
laminin function in nuclear assembly and DNA replication: HUTCHISON, BRIDGER, COX AND KILL **107**, 3259.
**Nuclear body**
replication sites and the cell cycle: HOZAK, JACKSON AND COOK **107**, 2191.
**Nuclear division**
*Punch* maternal function: CHEN, REYNOLDS, RANGANAYAKULU AND O'DONNELL **107**, 3501.
**Nuclear envelope re-formation**
disruption of mitotic events by histone H1: MATSUOKA, TAKECHI, NAKAYAMA AND YONEDA **107.3**, 693.
**Nuclear import kinetics**
nuclear import of SRF: RECH, BARLAT, VEYRUNE, VIE AND BLANCHARD **107**, 3029.
**Nuclear lamin**
intermediate filaments and nuclear morphology: SARRIA, LIEBER, NORDEEN AND EVANS **107**, 1593.
**Nuclear localisation**
A-kinase and MyoD localisation: VANDROMME, CARNAC, GAUTHIER-ROUVIERE, FESQUET, LAMB AND FERNANDEZ **107.2**, 613.
**Nuclear localization signal**
nuclear import of SRF: RECH, BARLAT, VEYRUNE, VIE AND BLANCHARD **107**, 3029.
nuclear mitotic apparatus protein: TANG, TANG, CHAO AND WU **107**, 1389.
**Nuclear matrix**
association of a TCP1-related protein with the nuclear matrix: JOLY, TREMBLAY, TANGUAY, WU AND BIBOR-HARDY **107**, 2851.
dinoflagellate nuclear matrix: MINGUEZ, FRANCA AND MORENO DIAZ DE LA ESPINA **107**, 2861.
**Nuclear migration**
actin microfilaments in living *Micrasterias* cells: MEINDL, ZHANG AND HEPLER **107**, 1929.
**Nuclear pore**
nucleoporin p62 domain structure: BUSS, KENT, STEWART, BAILER AND HANOVER **107.2**, 631.
**Nuclear pore complex**
SRP RNA nuclear transport: HE, BATAILLE AND FRIED **107**, 903.
**Nuclear protein**
nuclear mitotic apparatus protein: TANG, TANG, CHAO AND WU **107**, 1389.
**Nuclear protein BM28**
a putative human homologue of yeast Mcm2p: TODOROV, PEPPERKOK, PHILIPOVA, KEARSEY, ANSORGE AND WERNER **107**, 253.
**Nuclear protein transport**
disruption of mitotic events by histone H1: MATSUOKA, TAKECHI, NAKAYAMA AND YONEDA **107.3**, 693.
**Nuclear transport**
U2B″ nuclear transport: KAMBACH AND MATTAJ **107**, 1807.
**Nucleolar protein**
rRNA and proteins in nucleoids of *Olea europaea*: ALCHE, FERNANDEZ AND RODRIGUEZ-GARCIA **107.2**, 621.
**Nucleolin**
U3 snRNA during the cell cycle: AZUM-GELADE, NOAILLAC-DEPEYRE, CAIZERGUES-FERRER AND GAS **107.2**, 463.
**Nucleologenesis**
U3 snRNA during the cell cycle: AZUM-GELADE, NOAILLAC-DEPEYRE, CAIZERGUES-FERRER AND GAS **107.2**, 463.
**Nucleoloid**
rRNA and proteins in nucleoids of *Olea europaea*: ALCHE, FERNANDEZ AND RODRIGUEZ-GARCIA **107.2**, 621.
**Nucleolus**
coiled bodies in the nucleolus: OCHS, STEIN JR AND TAN **107.2**, 385.
intranucleolar structure and rRNA synthesis: HOZAK, COOK, SCHOFER, MOSGOLLER AND WACHTLER **107.2**, 639.
**Nucleoskeleton**
intranucleolar structure and rRNA synthesis: HOZAK, COOK, SCHOFER, MOSGOLLER AND WACHTLER **107.2**, 639.
repair of DNA damage and the nucleoskeleton: JACKSON, BALAJEE, MULLENDERS AND COOK **107**, 1745.
replication sites and the cell cycle: HOZAK, JACKSON AND COOK **107**, 2191.

yeast chromosomes in mouse cells: MCMANUS, PERRY, SUMNER, WRIGHT, THOMSON, ALLSHIRE, HASTIE AND BICKMORE **107.3**, 469.
**Nucleosome**
structure of chromatin fibers: BARTOLOME, BERMUDEZ AND DABAN **107**, 2983.
**Nucleus**
association of a TCP1-related protein with the nuclear matrix: JOLY, TREMBLAY, TANGUAY, WU AND BIBOR-HARDY **107**, 2851.
transcription in S-phase: WANSINK, MANDERS, VAN DER KRAAN, ATEN, VAN DRIEL AND DE JONG **107**, 1449.
**NuMA**
nuclear mitotic apparatus protein: TANG, TANG, CHAO AND WU **107**, 1389.
**O-glycosylation**
glycoprotein complex secretion in *Dictyostelium*: WATSON, MCGUIRE AND ALEXANDER **107**, 2567.
**Okadaic acid**
M phase entry in mouse oocytes: GAVIN, CAVADORE AND SCHORDERET-SLATKINE **107**, 275.
mitotic arrest and terminal GlcNAc's: CHOU AND OMARY **107**, 1833.
okadaic acid and cell division: DAS, GALE JR, CARTER AND PARSONS **107**, 3477.
**Oocyte microinjection**
SRP RNA nuclear transport: HE, BATAILLE AND FRIED **107**, 903.
**Oogenesis**
cytoplasmic transport in ovarian follicles: BOHRMANN AND BIBER **107**, 849.
**Organelle motility**
unconventional myosin-mediated motility: D'ANDREA, DANON, SGOURDAS AND BONDER **107**, 2081.
**Organelle movement**
barbed-end-directed organelle motor: LANGFORD, KUZNETSOV, JOHNSON, COHEN AND WEISS **107**, 2291.
**Origin**
transcription and initiation of replication: BASSIM HASSAN AND COOK **107**, 1381.
**Orthogonal array**
a 28 kDa orthogonal array protein in kidney: VERBAVATZ, VAN HOEK, MA, SABOLIC, VALENTI, ELLISMAN, AUSIELLO, VERKMAN AND BROWN **107**, 1083.
**Osteoblast**
hyaluronan in the growth plate: PAVASANT, SHIZARI AND UNDERHILL **107**, 2669.
**Osteochondrosis**
collagens in osteochondrosis: WARDALE AND DUANCE **107**, 47.
**Osteoclast**
involvement of MMPs in bone resorption: HILL, MURPHY, DOCHERTY, HEMBRY, MILLICAN, REYNOLDS AND MEIKLE **107**, 3055.
**Outer arm**
interaction of dynein with microtubules: YOKOTA AND MABUCHI **107.2**, 353.
**Outermost Golgi cisterna**
morphology of post-ER membranous elements: SESSO, DE FARIA, SADAYO, IWAMURA AND CORREA **107.3**, 517.
**Over-expression**
the processing pathway of prelamin A: SINENSKY, FANTLE, TRUJILLO, MCLAIN, KUPFER AND DALTON **107**, 61.
**Ovoperoxidase**
proteoliaisin-ovoperoxidase complex: MOZINGO, SOMERS AND CHANDLER **107**, 2769.
**P34**
*A. nidulans nimX*$^{cdc2}$: OSMANI, VAN PEIJ, MISCHKE, O'CONNELL AND OSMANI **107**, 1519.
**p34**$^{cdc2}$
H1 histone kinase in *S. pombe*: CREANOR AND MITCHISON **107**, 1197.
**P53**
CK19 expression and p53 inactivation in keratinocytes: MOLES, SCHILLER, TESNIERE, LEIGH, GUILHOU AND BASSET-SEGUIN **107.2**, 435.
p53 expression following radioisotope labelling: DOVER, JAYARAM, PATEL AND CHINERY **107**, 1181.
sites of transcription and the repair of DNA damage: JACKSON, HASSAN, ERRINGTON AND COOK **107**, 1753.
**P53/ERGIC-53**
CaBP1 is not a resident protein of the intermediate compartment: FULLEKRUG, SONNICHSEN, WUNSCH, ARSEVEN, NGUYEN VAN, SOLING AND MIESKES **107**, 2719.
**p62**
calmodulin and p62 in hepatocytes and astrocytes: PORTOLES, FAURA, RENAU-PIQUERAS, IBORRA, SAEZ, GUERRI, SERRATOSA, RIUS AND BACHS **107**, 3601.
**PAM**
temperature effects on granule proteins: MILGRAM AND MAINS **107.3**, 737.
**Pancreas**
annexin I and II levels in pancreatic islets: OHNISHI, TOKUDA, MASAKI, FUJIMURA, TAI, MATSUI, ITANO, ISHIDA, TAKAHARA, KONISHI AND HATASE **107**, 2117.
apical protein targeting in AR42J cells: COLOMER, RINDLER AND LOWE **107**, 2271.
chaperones in pancreatic acinar cells: VELEZ-GRANELL, ARIAS, TORRES-RUIZ AND BENDAYAN **107.3**, 539.
**Paracellular pathway**
actin and tight junctions: STEVENSON AND BEGG **107.3**, 367.
***Paramecium***
*Paramecium* dyneins: ASAI, BECKWITH, KANDL, KEATING, TJANDRA AND FORNEY **107**, 839.
**Parasitophorous vacuole**
*Leishmania donovani*-infected macrophages: LANG, HELLIO, KAYE AND ANTOINE **107**, 2137.
**Parental imprinting**
molecular mechanisms of cellular determination: SINGH **107**, 2653.
**Paxillin**
serum-induced assembly of focal adhesions in Swiss 3T3 cells: BARRY AND CRITCHLEY **107**, 2033.
the paxillin-binding site in vinculin: WOOD, TURNER, JACKSON AND CRITCHLEY **107.2**, 709.
**PC1**
temperature effects on granule proteins: MILGRAM AND MAINS **107.3**, 737.
**PC12 cell**
ATP receptors and secretion in PC12 cells: BARRY AND CHEEK **107.2**, 451.
tau function, neurite outgrowth and stability: ESMAELI-AZAD, MCCARTY AND FEINSTEIN **107**, 869.
**PCNA (see Proliferating cell nuclear antigen)**
**PCR (see Polymerase chain reaction)**
**Pea cotyledon**
plant adaptins: HOLSTEIN, DRUCKER AND ROBINSON **107**, 945.
**Pericentriolar lattice**
behavior of the pericentriolar lattice: BARON, SUMAN, NEMETH AND SALISBURY **107**, 2993.
**Pericentriolar material**
behavior of the pericentriolar lattice: BARON, SUMAN, NEMETH AND SALISBURY **107**, 2993.
**Perineural fibroblast**
$\alpha_6\beta_4$ in peripheral nerves: NIESSEN, CREMONA, DAAMS, FERRARESI, SONNENBERG AND MARCHISIO **107.2**, 543.
**Periosteum**
effect of TGF-β on osteoprogenitor cells: CRITCHLOW, BLAND AND ASHHURST **107.2**, 499.
**Peripheral nerve**
$\alpha_6\beta_4$ in peripheral nerves: NIESSEN, CREMONA, DAAMS, FERRARESI, SONNENBERG AND MARCHISIO **107**, 543.

**Permeability**
endothelial tight junctions in blood-brain barrier: WOLBURG, NEUHAUS, KNIESEL, KRAUß, SCHMID, OCALAN, FARRELL AND RISAU **107**, 1347.
**Peroxisome**
urate oxidase and allantoinase localization: USUDA, HAYASHI, FUJIWARA, NOGUCHI, NAGATA, SAMBASIVA RAO, ALVARES, REDDY AND YELDANDI **107**, 1073.
**Pertussis toxin**
novel protein inhibits neurite outgrowth: CLARKE AND MOSS **107**, 3393.
***Petunia hybrida***
3-D localization of 18 S rRNA genes: MONTIJN, HOUTSMULLER, OUD AND NANNINGA **107.3**, 457.
**P-glycoprotein**
cell swelling inhibits transport by P-gp: SARDINI, MINTENIG, VALVERDE, SEPULVEDA, GILL, HYDE, HIGGINS AND MCNAUGHTON **107**, 3281.
**PG-M**
anti-adhesive proteoglycan: YAMAGATA AND KIMATA **107**, 2581.
**PH determination**
yolk platelet pH in *Xenopus* development: FAGOTTO AND MAXFIELD **107**, 3325.
**Phagocytosis**
phagosomes and cancer cell invasion: MONTCOURRIER, MANGEAT, VALEMBOIS, SALAZAR, SAHUQUET, DUPERRAY AND ROCHEFORT **107**, 2381.
targeted fusion of phagocytic vesicles: VERAS, DE CHASTELLIER, MOREAU, VILLIERS, THIBON, MATTEI AND RABINOVITCH **107**, 3065.
**Phagolysosome**
MCH molecules in infected macrophages: LANG, DE CHASTELLIER, FREHEL, HELLIO, METEZEAU, LEAO AND ANTOINE **107**, 69.
targeted fusion of phagocytic vesicles: VERAS, DE CHASTELLIER, MOREAU, VILLIERS, THIBON, MATTEI AND RABINOVITCH **107**, 3065.
**Phagosome**
*Leishmania donovani*-infected macrophages: LANG, HELLIO, KAYE AND ANTOINE **107**, 2137.
**Phalloidin**
actin microfilaments in living *Micrasterias* cells: MEINDL, ZHANG AND HEPLER **107**, 1929.
**Pheromone response pathway**
role of yeast MAP kinase homolog: FUJIMURA **107**, 2617.
**Phorbol ester**
regulation of cell cycle genes: BURGER, WICK AND MULLER **107**, 2047.
tenascin/neuronectin regulation: RETTIG, ERICKSON, ALBINO AND GARIN-CHESA **107.2**, 487.
**Phosphoglucomutase**
a novel phosphoglucomutase-related component of adherens junctions: BELKIN, KLIMANSKAYA, LUKASHEV, LILLEY, CRITCHLEY AND KOTELIANSKY **107**, 159.
aciculin in skeletal muscle: BELKIN AND BURRIDGE **107**, 1993.
**Phosphoglycerate kinase**
is 3-PGK of *Chlorella* part of the circadian clock?: WALLA, DE GROOT AND SCHWEIGER **107.2**, 719.
**Phosphoprotein phosphatase**
multiple phosphorylation-induced death types: GJERTSEN, CRESSEY, RUCHAUD, HOUGE, LANOTTE AND DOSKELAND **107**, 3363.
**Phosphorylation**
cell flattening during mouse early development: AGHION, GUETH-HALLONET, ANTONY, GROS AND MARO **107**, 1369.
forskolin perturbs cytokeratin network: BARICAULT, DE NECHAUD, SAPIN, CODOGNO, DENOULET AND TRUGNAN **107**, 2909.
glycoprotein complex secretion in *Dictyostelium*: WATSON, MCGUIRE AND ALEXANDER **107**, 2567.
junction assembly with protein kinase inhibitors: DENISENKO, BURIGHEL AND CITI **107**, 969.
N-terminal motifs important to GFAP assembly: RALTON, LU, HUTCHESON AND QUINLAN **107**, 1935.
okadaic acid and H1 dephosphorylation: PAULSON, CIESIELSKI, SCHRAM AND MESNER **107**, 267.
phosphorylation-dependent NF structure: GOTOW, TANAKA, NAKAMURA AND TAKEDA **107**, 1949.
regulation of AChR assembly by PKA: JAYAWICKREME, GREEN AND CLAUDIO **107**, 1641.
truncation analysis of *Dictyostelium* myosin: LEE, EGELHOFF AND SPUDICH **107**, 2875.
**Phragmoplast**
microtubule-translocating activity in tobacco BY-2 cell phragmoplasts: ASADA AND SHIBAOKA **107**, 2249.
***Physarum polycephalum***
role of microtubules in chemotaxis: UEDA AND OGIHARA **107**, 2071.
**Pituitary**
temperature effects on granule proteins: MILGRAM AND MAINS **107.3**, 737.
**Plakoglobin**
breast carcinoma cell adhesions: DEPASQUALE, SAMSONOFF AND GIERTHY **107**, 1241.
**Plasma membrane**
30 kDa protein in contact regions: FECHHEIMER, INGALLS, FURUKAWA AND LUNA **107**, 2393.
cloning of a liver-specific transporter: SIMONSON, VINCENT, ROBERG, HUANG AND IWANIJ **107**, 1065.
domain boundaries at the annulus: CESARIO AND BARTLES **107.2**, 561.
glycolipid polarity dynamics at the sperm surface: GADELLA, GADELLA JR, COLENBRANDER, VAN GOLDE AND LOPES-CARDOZO **107**, 2151.
targeting of Gαi proteins: BRUNO DE ALMEIDA, HOLTZMAN, PETERS, ERCOLANI, AUSIELLO AND STOW **107.3**, 507.
**Plasmodesmata**
extraction of plasmodesmata: TURNER, WELLS AND ROBERTS **107**, 3351.
**Platelet-derived growth factor**
PDGF is an autocrine stimulator of RPE growth: CAMPOCHIARO, HACKETT, VINORES, FREUND, CSAKY, LAROCHELLE, HENDERER, JOHNSON, RODRIGUEZ, FRIEDMAN, DEREVJANIK AND DOONER **107**, 2459.
**Polarized epithelia**
*Listeria* subversion of the cytoskeleton: TEMM-GROVE, JOCKUSCH, ROHDE, NIEBUHR, CHAKRABORTY AND WEHLAND **107**, 2951.
**Polarized secretion**
apical secretion of gp80 in Caco-2 cells: APPEL AND KOCH-BRANDT **107.2**, 553.
**Polo**
cell cycle analysis of a human polo-like protein kinase: GOLSTEYN, SCHULTZ, BARTEK, ZIEMIECKI, RIED AND NIGG **107**, 1509.
**Poly(A)$^+$ RNA**
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
**Polyadenylation**
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
**Polymerase chain reaction (PCR)**
structural diversity of band 4.1 superfamily members: TAKEUCHI, KAWASHIMA, NAGAFUCHI AND TSUKITA **107**, 1921.
**Polymerisation**
MAP2 function: FERRALLI, DOLL AND MATUS **107**, 3115.
**POMC**
temperature effects on granule proteins: MILGRAM AND MAINS **107.3**, 737.

**Population control**
apoptosis in the gut: HALL, COATES, ANSARI AND HOPWOOD **107**, 3569.
**Position-effect variegation**
molecular mechanisms of cellular determination: SINGH **107**, 2653.
**Post-translational modification**
distribution of delta 2-tubulin: PATURLE-LAFANECHERE, MANIER, TRIGAULT, PIROLLET, MAZARGUIL AND JOB **107**, 1529.
glutamylated tubulin in developing neurons: AUDEBERT, KOULAKOFF, BERWALD-NETTER, GROS, DENOULET AND EDDE **107**, 2313.
**Post-translational regulation**
appearance of Cx26 in isolated perfused rat liver: KOJIMA, SAWADA, OYAMADA, CHIBA, ISOMURA AND MORI **107**, 3579.
**Post-translational translocation**
intracellular transport of Sso2p: JANTTI, KERANEN, TOIKKANEN, KUISMANEN, EHNHOLM, SODERLUND AND OLKKONEN **107**, 3623.
**Pp125FAK**
serum-induced assembly of focal adhesions in Swiss 3T3 cells: BARRY AND CRITCHLEY **107**, 2033.
**Precursor processing**
lamin isoprenylation and membrane attachment: HENNEKES AND NIGG **107**, 1019.
**Preimplantation mouse embryo**
cell flattening during mouse early development: AGHION, GUETH-HALLONET, ANTONY, GROS AND MARO **107**, 1369.
**Prelamin A**
prelamin A inhibits DNA synthesis: SINENSKY, MCLAIN AND FANTLE **107**, 2215.
**Prelysosomal compartment**
interaction of lysosomes and late endosomes: JAHRAUS, STORRIE, GRIFFITHS AND DESJARDINS **107**, 145.
**Prelysosome**
MCH molecules in infected macrophages: LANG, DE CHASTELLIER, FREHEL, HELLIO, METEZEAU, LEAO AND ANTOINE **107**, 69.
**Pre-mRNA splicing**
alternative pre-mRNA splicing: NORTON **107**, 1.
**Prespore differentation**
*Dictyostelium* sorus matrix protein (*Dp87*): NAKAO, YAMAMOTO, TAKEUCHI AND TASAKA **107.3**, 397.
**Prespore-specific vacuole**
*Dictyostelium* sorus matrix protein (*Dp87*): NAKAO, YAMAMOTO, TAKEUCHI AND TASAKA **107.3**, 397.
**Primary culture**
heparin stimulates intestinal epithelia: FLINT, COVE AND EVANS **107.2**, 401.
**Projection**
phosphorylation-dependent NF structure: GOTOW, TANAKA, NAKAMURA AND TAKEDA **107**, 1949.
**Proliferating cell nuclear antigen (PCNA)**
nuclear distribution of PCNA in starfish eggs: NOMURA **107**, 3291.
sites of transcription and the repair of DNA damage: JACKSON, HASSAN, ERRINGTON AND COOK **107**, 1753.
**Proliferation**
*bcl-2* and cell cycle in epithelial cells: LU, HANBY, NASSER HAJIBAGHERI, GSCHMEISSNER, LU, TAYLOR-PAPADIMITRIOU, KRAJEWSKI, REED AND WRIGHT **107.2**, 363.
heparin stimulates intestinal epithelia: FLINT, COVE AND EVANS **107.2**, 401.
p53 expression following radioisotope labelling: DOVER, JAYARAM, PATEL AND CHINERY **107**, 1181.
suppression of proliferation by RAR-β: FRANGIONI, MOGHAL, STUART-TILLEY, NEEL AND ALPER **107**, 827.
**Proliferation assay**
proliferation in normal and progeroid fibroblasts: KILL, FARAGHER, LAWRENCE AND SHALL **107.2**, 571.
**Proliferative retinopathy**
PDGF is an autocrine stimulator of RPE growth: CAMPOCHIARO, HACKETT, VINORES, FREUND, CSAKY, LAROCHELLE, HENDERER, JOHNSON, RODRIGUEZ, FRIEDMAN, DEREVJANIK AND DOONER **107**, 2459.
**Prosome**
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
**Proteasome**
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
**Protein**
extraction of plasmodesmata: TURNER, WELLS AND ROBERTS **107**, 3351.
**Protein (60/63 kDa)**
a novel phosphoglucomutase-related component of adherens junctions: BELKIN, KLIMANSKAYA, LUKASHEV, LILLEY, CRITCHLEY AND KOTELIANSKY **107**, 159.
**Protein (100 kDa)**
a conserved membrane protein of the Golgi: PRYDE **107**, 3425.
**Protein complex**
identification of an integrin receptor complex: DE CURTIS AND GATTI **107**, 3165.
**Protein interaction**
binding properties of laminin isoforms: BROWN, WIEDEMANN AND TIMPL **107**, 329.
**Protein kinase**
an 89 kDa S phase protein kinase: GALE JR, CARTER AND PARSONS **107**, 1825.
cell cycle analysis of a human polo-like protein kinase: GOLSTEYN, SCHULTZ, BARTEK, ZIEMIECKI, RIED AND NIGG **107**, 1509.
**Protein kinase C**
E-Cadherin signaling through PKC: LEWIS, JENSEN, JOHNSON AND WHEELOCK **107**, 3615.
melanoblast proliferation and protein kinase C: HIROBE **107**, 1679.
PKc and melanogenesis: CARSBERG, WARENIUS AND FRIEDMANN **107**, 2591.
**Protein kinase C-8**
serum-induced assembly of focal adhesions in Swiss 3T3 cells: BARRY AND CRITCHLEY **107**, 2033.
**Protein phosphatase**
okadaic acid and cell division: DAS, GALE JR, CARTER AND PARSONS **107**, 3477.
okadaic acid and H1 dephosphorylation: PAULSON, CIESIELSKI, SCHRAM AND MESNER **107**, 267.
role of fission yeast ppb1 phosphatase: YOSHIDA, TODA AND YANAGIDA **107**, 1725.
**Protein phosphorylation**
an 89 kDa S phase protein kinase: GALE JR, CARTER AND PARSONS **107**, 1825.
**Protein prenylation**
prelamin A inhibits DNA synthesis: SINENSKY, MCLAIN AND FANTLE **107**, 2215.
**Protein-protein interaction**
U2B″ nuclear transport: KAMBACH AND MATTAJ **107**, 1807.
**Protein sorting**
apical secretion of gp80 in Caco-2 cells: APPEL AND KOCH-BRANDT **107.2**, 553.
brefeldin A and the TGN of MDCK cells: WAGNER, RAJASEKARAN, HANZEL, MAYOR AND RODRIGUEZ-BOULAN **107**, 933.
*vps45* mutants accumulate membrane vesicles: COWLES, EMR AND HORAZDOVSKY **107**, 3449.

**Protein synthesis**
is 3-PGK of *Chlorella* part of the circadian clock?: WALLA, DE GROOT AND SCHWEIGER **107.2**, 719.
turnover and regeneration of sea urchin embryonic cilia: STEPHENS **107.2**, 683.
**Protein transport**
retention and retrieval of calreticulin: SONNICHSEN, FULLEKRUG, NGUYEN VAN, DIEKMANN, ROBINSON AND MIESKES **107**, 2705.
turnover and regeneration of sea urchin embryonic cilia: STEPHENS **107.2**, 683.
**Protein turnover**
HMG CoA reductase degradation in the ER: LECUREUX AND WATTENBERG **107**, 2635.
**Proteinase**
SKALP in human epidermal keratinocytes: ALKEMADE, MOLHUIZEN, PONEC, KEMPENAAR, ZEEUWEN, DE JONGH, VAN VLIJMEN-WILLEMS, VAN ERP, VAN DE KERKHOF AND SCHALKWIJK **107**, 2335.
**Proteinase inhibitor**
SKALP in human epidermal keratinocytes: ALKEMADE, MOLHUIZEN, PONEC, KEMPENAAR, ZEEUWEN, DE JONGH, VAN VLIJMEN-WILLEMS, VAN ERP, VAN DE KERKHOF AND SCHALKWIJK **107**, 2335.
**Proteobacteria**
association of bacteria with the mitotic apparatus: CALLAINI, RIPARBELLI AND DALLAI **107.3**, 673.
**Proteoglycan**
anti-adhesive proteoglycan: YAMAGATA AND KIMATA **107**, 2581.
astrocyte neurite growth inhibitor: SMITH-THOMAS, FOK-SEANG, STEVENS, DU, MUIR, FAISSNER, GELLER, ROGERS AND FAWCETT **107**, 1687.
epican mediates cell-cell adhesion: MILSTONE, HOUGH-MONROE, KUGELMAN, BENDER AND HAGGERTY **107**, 3183.
GAG effect on neurite outgrowth and polarity: FERNAUD-ESPINOSA, NIETO-SAMPEDRO AND BOVOLENTA **107**, 1437.
glypican in nervous tissue: KARTHIKEYAN, FLAD, ENGEL, MEYER-PUTTLITZ, MARGOLIS AND MARGOLIS **107**, 3213.
phenotypic stability of chondrocytes: HAUSELMANN, FERNANDES, MOK, SCHMID, BLOCK, AYDELOTTE, KUETTNER AND THONAR **107**, 17.
**Proteoliaisin**
proteoliaisin-ovoperoxidase complex: MOZINGO, SOMERS AND CHANDLER **107**, 2769.
**Proteolipid (16 kDa)**
16 kDa proteolipid and ductin are the same in insects: FINBOW, GOODWIN, MEAGHER, LANE, KEEN, FINDLAY AND KAISER **107**, 1817.
**Proteolysis**
lamin isoprenylation and membrane attachment: HENNEKES AND NIGG **107**, 1019.
plant adaptins: HOLSTEIN, DRUCKER AND ROBINSON **107**, 945.
**Proteolytic processing**
routing of LGPs in trypanosomes: BRICKMAN AND BALBER **107**, 3191.
**Protoplast regeneration**
PKCs are required for protoplast regeneration: KOBORI, TODA, YAGUCHI, TOYA, YANAGIDA AND OSUMI **107**, 1131.
***Pseudomonas* exotoxin A**
HSPG specific immunotoxin: MESRI, ONO, KREITMAN, KLAGSBRUN AND PASTAN **107**, 2599.
LRP defect causes *Pseudomonas* exotoxin A resistance: WILLNOW AND HERZ **107.3**, 719.
**Pseudopod**
osteoclast G proteins: ARKETT, DIXON AND SIMS **107.2**, 517.
**Pseudopod formation**
role of microtubules in chemotaxis: UEDA AND OGIHARA **107**, 2071.
**Pteridine**
*Punch* maternal function: CHEN, REYNOLDS, RANGANAYAKULU AND O'DONNELL **107**, 3501.
**$PtK_2$ cells**
behavior of the pericentriolar lattice: BARON, SUMAN, NEMETH AND SALISBURY **107**, 2993.
**puc1**
cyclin in cell cycle exit: FORSBURG AND NURSE **107.3**, 601.
**Pulsed field gel electrophoresis**
ribosomes of cryptomonad endosymbionts: MCFADDEN, GILSON AND DOUGLAS **107.2**, 649.
***Punch***
*Punch* maternal function: CHEN, REYNOLDS, RANGANAYAKULU AND O'DONNELL **107**, 3501.
**Purine metabolism**
urate oxidase and allantoinase localization: USUDA, HAYASHI, FUJIWARA, NOGUCHI, NAGATA, SAMBASIVA RAO, ALVARES, REDDY AND YELDANDI **107**, 1073.
**Purinergic receptor**
$[Ca^{2+}]_i$ in tracheal epithelial cells: DAVIS, SILSKI AND PEREZ **107**, 2899.
**Quick-freeze deep-etch electron microsco**
phosphorylation-dependent NF structure: GOTOW, TANAKA, NAKAMURA AND TAKEDA **107**, 1949.
**rab GTPases**
colocalization of V-$H^+$-ATPase and a Rab4-like GTPase: BUSH, NOLTA, RODRIGUEZ-PARIS, KAUFMANN, O'HALLORAN, RUSCETTI, TEMESVARI, STECK AND CARDELLI **107**, 2801.
**Rab protein**
polarized and cell type-specific expression of novel rab proteins: LUTCKE, PARTON, MURPHY, OLKKONEN, DUPREE, VALENCIA, SIMONS AND ZERIAL **107**, 3437.
**Rabbit**
effect of TGF-β on osteoprogenitor cells: CRITCHLOW, BLAND AND ASHHURST **107.2**, 499.
***RAD9***
assay for mitotic forces in yeast: BROCK AND BLOOM **107**, 891.
**Radioisotope**
p53 expression following radioisotope labelling: DOVER, JAYARAM, PATEL AND CHINERY **107**, 1181.
**Radixin**
self-association of ezrin at the membrane: ANDREOLI, MARTIN, LE BORGNE, REGGIO AND MANGEAT **107**, 2509.
**Rap protein**
localization of three Rap proteins: PIZON, DESJARDINS, BUCCI, PARTON AND ZERIAL **107**, 1661.
**RAR-β**
suppression of proliferation by RAR-β: FRANGIONI, MOGHAL, STUART-TILLEY, NEEL AND ALPER **107**, 827.
***ras***
*ras* and cathepsin B trafficking: SLOANE, MOIN, SAMENI, TAIT, ROZHIN AND ZIEGLER **107.2**, 373.
**Ras**
regulation of Ras exchange factor: HUGHES, YABANA AND YAMAMOTO **107**, 3635.
**Ras p100-GAP**
specific localization of p100-GAP: MOLLAT, FOURNIER, YANG, ALSAT, ZHANG, EVAIN-BRION, GRASSI AND THANG **107.3**, 427.
**RAS**
human CAP and CAP2: YU, SWISTON AND YOUNG **107**, 1671.
**Rat**
tropomyosin isoforms in rat neurons: HAD, FAIVRE-SARRAILH, LEGRAND, MERY, BRUGIDOU AND RABIE **107**, 2963.
**RCC1**
alternative splicing of the RCC1 gene: MIYABASHIRA, SEKIGUCHI AND NISHIMOTO **107**, 2203.
**rDNA**
origin of the *Crepis capillaris* B chromosome: JAMILENA, RUIZ REJON AND RUIZ REJON **107.3**, 703.

**Receptor**
$\alpha_6\beta_1$ and $\alpha_6\beta_4$ integrin internalization: GAIETTA, REDELMEIER, JACKSON, TAMURA AND QUARANTA **107**, 3339.
**Receptor-mediated endocytosis**
endocytosis is sensitive to anti-UA/hsc70: HONING, KREIMER, ROBENEK AND JOCKUSCH **107**, 1185.
**Recombinant aequorin**
$[Ca^{2+}]_i$ in *Xenopus* eggs and embryos: KEATING, CORK AND ROBINSON **107**, 2229.
**Recombinant vaccinia virus**
assembly of Ku autoantigen: WANG, SATOH, PIERANI, SCHMITT, CHOU, STUNNENBERG, ROEDER AND REEVES **107**, 3223.
**Reconstitution**
cadherin-catenin complex assembly: ABERLE, BUTZ, STAPPERT, WEISSIG, KEMLER and HOSCHUETZKY **107**, 3655.
**Regeneration**
turnover and regeneration of sea urchin embryonic cilia: STEPHENS **107.2**, 683.
**Regulated proteolysis**
HMG CoA reductase degradation in the ER: LECUREUX AND WATTENBERG **107**, 2635.
**Regulated secretion**
proteins associated with secretory granule membrane: THOMAS, STEIBER AND GONATAS **107**, 1297.
**Repair foci**
sites of transcription and the repair of DNA damage: JACKSON, HASSAN, ERRINGTON AND COOK **107**, 1753.
**Repair synthesis**
sites of transcription and the repair of DNA damage: JACKSON, HASSAN, ERRINGTON AND COOK **107**, 1753.
**Replication**
differential 5 S RNA gene transcription: WOLFFE **107**, 2055.
transcription and initiation of replication: BASSIM HASSAN AND COOK **107**, 1381.
transcription in S-phase: WANSINK, MANDERS, VAN DER KRAAN, ATEN, VAN DRIEL AND DE JONG **107**, 1449.
trypanosomatid DNA replication genes: PASION, BROWN, BROWN AND RAY **107**, 3515.
**Replication factory**
replication sites and the cell cycle: HOZAK, JACKSON AND COOK **107**, 2191.
**Reticulon**
reticulons, neuroendocrine ER proteins: VAN DE VELDE, ROEBROEK, SENDEN, RAMAEKERS AND VAN DE VEN **107**, 2403.
**Retina**
effects of astrocytes on fibronectin: JIANG, LIOU, BEHZADIAN AND CALDWELL **107**, 2499.
**Retinal neuron**
identification of an integrin receptor complex: DE CURTIS AND GATTI **107**, 3165.
**Retinal pigmented epithelium**
PDGF is an autocrine stimulator of RPE growth: CAMPOCHIARO, HACKETT, VINORES, FREUND, CSAKY, LAROCHELLE, HENDERER, JOHNSON, RODRIGUEZ, FRIEDMAN, DEREVJANIK AND DOONER **107**, 2459.
**Retinoic acid**
regulation of cell cycle genes: BURGER, WICK AND MULLER **107**, 2047.
retinoic acid and UVB-induced melanogenesis: ROMERO, ABERDAM, LARNIER AND ORTONNE **107**, 1095.
**Retinoic acid receptor**
suppression of proliferation by RAR-β: FRANGIONI, MOGHAL, STUART-TILLEY, NEEL AND ALPER **107**, 827.
**Retrograde transport**
traffic of MG160: JOHNSTON, STIEBER AND GONATAS **107.3**, 529.
**Rho**
*Clostridium difficile* toxin B in *Xenopus laevis* oocytes: JUST, RICHTER, PREPENS, VON EICHEL-STREIBER AND AKTORIES **107**, 1653.
**Ribonucleoprotein**
SRP RNA nuclear transport: HE, BATAILLE AND FRIED **107**, 903.
**Ribosomal gene**
3-D localization of 18 S rRNA genes: MONTIJN, HOUTSMULLER, OUD AND NANNINGA **107.3**, 457.
**Ribosomal RNA**
ribosomes of cryptomonad endosymbionts: MCFADDEN, GILSON AND DOUGLAS **107.2**, 649.
**Ribosomal RNA gene**
differential 5 S RNA gene transcription: WOLFFE **107**, 2055.
**Ribosome**
germinal vesicle breakdown: TERASAKI **107**, 1797.
**RNA polymerase II**
transcription in S-phase: WANSINK, MANDERS, VAN DER KRAAN, ATEN, VAN DRIEL AND DE JONG **107**, 1449.
**RNA polymerase III**
differential 5 S RNA gene transcription: WOLFFE **107**, 2055.
**RNA transport**
SRP RNA nuclear transport: HE, BATAILLE AND FRIED **107**, 903.
**RNP**
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
**Rodent**
domain boundaries at the annulus: CESARIO AND BARTLES **107.2**, 561.
**Rodent spermatocyte**
SC proteins: DOBSON, PEARLMAN, KARAISKAKIS, SPYROPOULOS AND MOENS **107**, 2749.
**Rough ER-Golgi interface**
morphology of post-ER membranous elements: SESSO, DE FARIA, SADAYO, IWAMURA AND CORREA **107.3**, 517.
**rRNA**
intranucleolar structure and rRNA synthesis: HOZAK, COOK, SCHOFER, MOSGOLLER AND WACHTLER **107.2**, 639.
rRNA and proteins in nucleoids of *Olea europaea*: ALCHE, FERNANDEZ AND RODRIGUEZ-GARCIA **107.2**, 621.
**S19 cell**
tau and microtubule stability: BAAS, PIENKOWSKI, CIMBALNIK, TOYAMA, BAKALIS, AHMAD AND KOSIK **107**, 135.
**S37**
embryonic expression of the Lsp1 gene: MISENER, HUI, MALAPITAN, ITTEL, JOYNER AND JONGSTRA **107**, 3591.
**S91 melanoma cell**
retinoic acid and UVB-induced melanogenesis: ROMERO, ABERDAM, LARNIER AND ORTONNE **107**, 1095.
***Schizosaccharomyces pombe***
regulation of Ras exchange factor: HUGHES, YABANA AND YAMAMOTO **107**, 3635.
**S phase**
nuclear distribution of PCNA in starfish eggs: NOMURA **107**, 3291.
transcription in S-phase: WANSINK, MANDERS, VAN DER KRAAN, ATEN, VAN DRIEL AND DE JONG **107**, 1449.
***Saccharomyces cerevisiae***
in vivo analysis of calmodulin in yeast: HARRIS, WATTERSON AND THORNER **107**, 3235.
RNA14p and RNA15p localization: BONNEAUD, MINVIELLE-SEBASTIA, CULLIN AND LACROUTE **107**, 913.
vacuolar deacidification and protein targeting: MORANO AND KLIONSKY **107**, 2813.
***Salmonella***
*Salmonella* aggregates surface proteins: GARCIA-DEL PORTILLO, GRACIELA PUCCIARELLI, JEFFERIES AND FINLAY **107**, 2005.
**Sarcolemma**
dystrophin subdomain localisation: DUNCKLEY, WELLS, PIPER, WELLS AND DICKSON **107**, 1469.

**Scanning electron microscopy**
a novel role for E- and P-selectins: KAPLANSKI, FARNARIER, BENOLIEL, FOA, KAPLANSKI AND BONGRAND **107**, 2449.
**Scanning tunneling microscopy**
STM observation of microtubules: MAALOUM, CHRETIEN, KARSENTI AND HORBER **107**, 3127.
**Scatter activity**
scatter factor-like factor and tumor cells: BELLUSCI, MOENS, THIERY AND JOUANNEAU **107**, 1277.
**Scatter factor**
substratum adhesion and scatter factor activity: CLARK **107**, 1265.
***Schizosaccharomyces pombe***
CDK2 functions in *S. pombe*: PARIS, LEPLATOIS AND NURSE **107.3**, 615.
H1 histone kinase in *S. pombe*: CREANOR AND MITCHISON **107**, 1197.
PKCs are required for protoplast regeneration: KOBORI, TODA, YAGUCHI, TOYA, YANAGIDA AND OSUMI **107**, 1131.
yeast chromosomes in mouse cells: MCMANUS, PERRY, SUMNER, WRIGHT, THOMSON, ALLSHIRE, HASTIE AND BICKMORE **107.3**, 469.
**Schwann cell**
$\alpha_6\beta_4$ in peripheral nerves: NIESSEN, CREMONA, DAAMS, FERRARESI, SONNENBERG AND MARCHISIO **107.2**, 543.
**Scrape-rupture**
DNA synthesis in *Xenopus* egg extracts: HOLA, CASTLEDEN, HOWARD AND BROOKS **107**, 3045.
**Sea urchin**
interaction of dynein with microtubules: YOKOTA AND MABUCHI **107.2**, 353.
isolation of C/A dynein: YOKOTA AND MABUCHI **107.2**, 345.
proteoliaisin-ovoperoxidase complex: MOZINGO, SOMERS AND CHANDLER **107**, 2769.
**Sea urchin egg**
cleavage furrow formation in sea urchin eggs: MABUCHI **107**, 1853.
**Sea urchin embryo**
turnover and regeneration of sea urchin embryonic cilia: STEPHENS **107.2**, 683.
***SEC1***
*vps45* mutants accumulate membrane vesicles: COWLES, EMR AND HORAZDOVSKY **107**, 3449.
**Secondary fiber**
mammalian fast myosin heavy chains: CHO, HUGHES, KARSCH-MIZRACHI, TRAVIS, LEINWAND AND BLAU **107**, 2361.
**Secretion**
chaperones in pancreatic acinar cells: VELEZ-GRANELL, ARIAS, TORRES-RUIZ AND BENDAYAN **107.3**, 539.
directed transfer from the ER to the Golgi apparatus: MIZUNO AND SINGER **107**, 1321.
glycoprotein complex secretion in *Dictyostelium*: WATSON, MCGUIRE AND ALEXANDER **107**, 2567.
**Secretory granule**
apical protein targeting in AR42J cells: COLOMER, RINDLER AND LOWE **107**, 2271.
**Secretory granule membrane**
proteins associated with secretory granule membrane: THOMAS, STEIBER AND GONATAS **107**, 1297.
**Secretory protein**
WIF-B cells: a polarized hepatoma hybrid: SHANKS, CASSIO, LECOQ AND HUBBARD **107**, 813.
**Seminolipid**
glycolipid polarity dynamics at the sperm surface: GADELLA, GADELLA JR, COLENBRANDER, VAN GOLDE AND LOPES-CARDOZO **107**, 2151.
**Serial section electron microscopy**
polar centres in male sciarid meiosis: FUGE **107**, 299.
**Serum-free culture**
melanoblast proliferation and protein kinase C: HIROBE **107**, 1679.
**SFL**
scatter factor-like factor and tumor cells: BELLUSCI, MOENS, THIERY AND JOUANNEAU **107**, 1277.
**SFV vector**
intracellular transport of Sso2p: JANTTI, KERANEN, TOIKKANEN, KUISMANEN, EHNHOLM, SODERLUND AND OLKKONEN **107**, 3623.
**SH2**
cloning of paxillin: TURNER AND MILLER **107**, 1583.
**SH3**
cloning of paxillin: TURNER AND MILLER **107**, 1583.
**Sialylation**
traffic of MG160: JOHNSTON, STIEBER AND GONATAS **107.3**, 529.
**Signal transducton**
a morphoregulatory domain in GAP-43: STRITTMATTER, VALENZUELA AND FISHMAN **107**, 195.
**Signalling**
cloning of paxillin: TURNER AND MILLER **107**, 1583.
growth factor signal transduction: PANARETTO **107**, 747.
**Sister chromatid exchange**
yeast chromosomes in mouse cells: MCMANUS, PERRY, SUMNER, WRIGHT, THOMSON, ALLSHIRE, HASTIE AND BICKMORE **107.3**, 469.
**Sister chromatid separation**
disruption of mitotic events by histone H1: MATSUOKA, TAKECHI, NAKAYAMA AND YONEDA **107.3**, 693.
**Size mutant**
H1 histone kinase in *S. pombe*: CREANOR AND MITCHISON **107**, 1197.
**SKALP**
SKALP in human epidermal keratinocytes: ALKEMADE, MOLHUIZEN, PONEC, KEMPENAAR, ZEEUWEN, DE JONGH, VAN VLIJMEN-WILLEMS, VAN ERP, VAN DE KERKHOF AND SCHALKWIJK **107**, 2335.
**Skeletal muscle**
aciculin in skeletal muscle: BELKIN AND BURRIDGE **107**, 1993.
L-14 lectin and $\alpha_7\beta_1$ integrin ligand binding: GU, WANG, SONG, COOPER AND KAUFMAN **107**, 175.
mammalian fast myosin heavy chains: CHO, HUGHES, KARSCH-MIZRACHI, TRAVIS, LEINWAND AND BLAU **107**, 2361.
**Skin-derived antileukoproteinase**
SKALP in human epidermal keratinocytes: ALKEMADE, MOLHUIZEN, PONEC, KEMPENAAR, ZEEUWEN, DE JONGH, VAN VLIJMEN-WILLEMS, VAN ERP, VAN DE KERKHOF AND SCHALKWIJK **107**, 2335.
**Slime mould**
calcium in *Dictyostelium*: SCHLATTERER, GOLLNICK, SCHMIDT, MEYER AND KNOLL **107**, 2107.
myosin light chain phosphorylation: LIU AND NEWELL **107**, 1737.
**Slugger mutant**
slugger mutants of *Dictyostelium*: GEE, RUSSELL AND GROSS **107.2**, 701.
**Small GTPase**
localization of three Rap proteins: PIZON, DESJARDINS, BUCCI, PARTON AND ZERIAL **107**, 1661.
**Small intestine**
*Clostridium difficile* toxin B in *Xenopus laevis* oocytes: JUST, RICHTER, PREPENS, VON EICHEL-STREIBER AND AKTORIES **107**, 1653.
heparin stimulates intestinal epithelia: FLINT, COVE AND EVANS **107.2**, 401.
**Smooth muscle**
a novel phosphoglucomutase-related component of adherens junctions: BELKIN, KLIMANSKAYA, LUKASHEV, LILLEY, CRITCHLEY AND KOTELIANSKY **107**, 159.
calponin localisation in smooth muscle: NORTH, GIMONA, CROSS AND SMALL **107.3**, 437.
localisation of β-actin in smooth muscle: NORTH, GIMONA, LANDO AND SMALL **107.3**, 445.

**Smooth muscle cell**
HSPG specific immunotoxin: MESRI, ONO, KREITMAN, KLAGSBRUN AND PASTAN **107**, 2599.
***SMUC2***
mucin developmental expression: CHAMBERS, HOLLINGSWORTH, TREZISE AND HARRIS **107.2**, 413.
**SnRNP**
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
**Somatic cell genetics**
phenotypic change in intratypic T-cell hybrids: KUBOTA AND NAKAZATO **107**, 2761.
**Somatic cell mutation**
crypt cycle in mouse intestine: LI, ROBERTS, PAULUS, LOEFFLER AND POTTEN **107**, 3271.
**Sorting**
cytoplasmic tail specifies TGN localization: CONIBEAR AND PEARSE **107**, 923.
transferrin and LDL trafficking in HEp2 cells: GHOSH, GELMAN AND MAXFIELD **107**, 2177.
vacuolar deacidification and protein targeting: MORANO AND KLIONSKY **107**, 2813.
**Sorus matrix protein**
*Dictyostelium* sorus matrix protein (*Dp87*): NAKAO, YAMAMOTO, TAKEUCHI AND TASAKA **107.3**, 397.
**Specificity**
growth factor signal transduction: PANARETTO **107**, 747.
**Sperm**
glycolipid polarity dynamics at the sperm surface: GADELLA, GADELLA JR, COLENBRANDER, VAN GOLDE AND LOPES-CARDOZO **107**, 2151.
interaction of dynein with microtubules: YOKOTA AND MABUCHI **107.2**, 353.
isolation of C/A dynein: YOKOTA AND MABUCHI **107.2**, 345.
**Spermatid**
cytoplasmic dynein in spermatids: YOSHIDA, IOSHII, IMANAKA-YOSHIDA AND IZUTSU **107.3**, 625.
**Spermatogenesis**
*Drosophila* spermatogenesis: CENCI, BONACCORSI, PISANO, VERNI AND GATTI **107**, 3521.
Topo II and DNA damage in spermatogenesis: MORSE-GAUDIO AND RISLEY **107**, 2887.
**Spermatozoon**
domain boundaries at the annulus: CESARIO AND BARTLES **107.2**, 561.
**Spermiogenesis**
cytoplasmic dynein in spermatids: YOSHIDA, IOSHII, IMANAKA-YOSHIDA AND IZUTSU **107.3**, 625.
**Spindle**
baculovirus expression of a kinesin-like protein: KURIYAMA, DRAGAS-GRANOIC, MAEKAWA, VASSILEV, KHODJAKOV AND KOBAYASHI **107**, 3485.
diazepam and mitosis. I.: SPURCK AND PICKETT-HEAPS **107**, 2643.
**Spindle assembly**
RMSA-1 on meiotic crane-fly chromosomes: YEO, FORER AND TOH **107**, 1845.
**Spindle fibre disassembly**
anaphase microtubule depolymerization: WILSON, FORER AND LEGGIADRO **107**, 3015.
**Spindle formation**
polar centres in male sciarid meiosis: FUGE **107**, 299.
**Spindle pole**
nuclear mitotic apparatus protein: TANG, TANG, CHAO AND WU **107**, 1389.
**Spindle pole function**
centrosomal/spindle pole defects of *ncd* mutants: ENDOW, CHANDRA, KOMMA, YAMAMOTO AND SALMON **107**, 859.
***Spisula solidissima***
anti-tektin staining of centrosomes: STEFFEN, FAJER AND LINCK **107**, 2095.
**Spliceosome**
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
**Splicing**
alternative splicing of cyclin E: SEWING, RONICKE, BURGER, FUNK AND MULLER **107.2**, 581.
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
**Splicing factor**
alternative pre-mRNA splicing: NORTON **107**, 1.
cytostellin in nuclear speckles: BREGMAN, DU, LI, RIBISI AND WARREN **107.3**, 387.
**Spreading factor**
a putative Neu ligand induces SK-BR-3 motility: DE CORTE, DE POTTER, VANDENBERGHE, VAN LAEREBEKE, AZAM, ROELS, MAREEL AND VANDEKERCKHOVE **107.3**, 405.
**Squid axoplasm**
barbed-end-directed organelle motor: LANGFORD, KUZNETSOV, JOHNSON, COHEN AND WEISS **107**, 2291.
**Src homology**
cloning of paxillin: TURNER AND MILLER **107**, 1583.
**SRF**
nuclear import of SRF: RECH, BARLAT, VEYRUNE, VIE AND BLANCHARD **107**, 3029.
**Sso2p**
intracellular transport of Sso2p: JANTTI, KERANEN, TOIKKANEN, KUISMANEN, EHNHOLM, SODERLUND AND OLKKONEN **107**, 3623.
**Stable MT (see Microtubule)**
**Starfish embryo**
nuclear distribution of PCNA in starfish eggs: NOMURA **107**, 3291.
**Staurosporine**
PKCs are required for protoplast regeneration: KOBORI, TODA, YAGUCHI, TOYA, YANAGIDA AND OSUMI **107**, 1131.
***ste6***
regulation of Ras exchange factor: HUGHES, YABANA AND YAMAMOTO **107**, 3635.
**Steroid**
neutrophil dispersive locomotion: CHETTIBI, LAWRENCE, YOUNG, LAWRENCE AND STEVENSON **107**, 3173.
**Stress fiber**
FAK phosphorylation and focal adhesions: CHRZANOWSKA-WODNICKA AND BURRIDGE **107**, 3643.
**Stretch-activated channel**
cytoskeleton and ion channel distribution: LEVINA, LEW AND HEATH **107**, 127.
**Structure**
nucleoporin p62 domain structure: BUSS, KENT, STEWART, BAILER AND HANOVER **107.2**, 631.
**Subcellular**
specific localization of p100-GAP: MOLLAT, FOURNIER, YANG, ALSAT, ZHANG, EVAIN-BRION, GRASSI AND THANG **107.3**, 427.
**Subcellular localization**
localization of three Rap proteins: PIZON, DESJARDINS, BUCCI, PARTON AND ZERIAL **107**, 1661.
polarized and cell type-specific expression of novel rab proteins: LUTCKE, PARTON, MURPHY, OLKKONEN, DUPREE, VALENCIA, SIMONS AND ZERIAL **107**, 3437.
**Sucrase-isomaltase**
sucrase-isomaltase of Caco-2 clones: CHANTRET, RODOLOSSE, BARBAT, DUSSAULX, BROT-LAROCHE, ZWEIBAUM AND ROUSSET **107**, 213.
**Superior cervical ganglion neuron**
drug-induced apoptosis in SCG neurons: TOMKINS, EDWARDS AND TOLKOVSKY **107**, 1499.

**Surface protein**
*Salmonella* aggregates surface proteins: GARCIA-DEL PORTILLO, GRACIELA PUCCIARELLI, JEFFERIES AND FINLAY **107**, 2005.
**Surface WGA-binding sites**
cleavage furrow formation in sea urchin eggs: MABUCHI **107**, 1853.
**SV40 T antigen transformation**
estrogen-dependent expression of *CFTR*: ROCHWERGER, DHO, PARKER, FOSKETT AND BUCHWALD **107**, 2439.
**Synaptonemal complex**
SC proteins: DOBSON, PEARLMAN, KARAISKAKIS, SPYROPOULOS AND MOENS **107**, 2749.
**Synchronous culture**
H1 histone kinase in *S. pombe*: CREANOR AND MITCHISON **107**, 1197.
**Syncytial blastoderm**
association of bacteria with the mitotic apparatus: CALLAINI, RIPARBELLI AND DALLAI **107.3**, 673.
**Syntaxin-like protein**
intracellular transport of Sso2p: JANTTI, KERANEN, TOIKKANEN, KUISMANEN, EHNHOLM, SODERLUND AND OLKKONEN **107**, 3623.
**T-tubule**
DHP receptor $\alpha_2/\delta$ subunit, N-Cam and myogenesis: VANDAELE AND RIEGER **107**, 1217.
**Tail domain**
vimentin's tail: CARY, KLYMKOWSKY, EVANS, DOMINGO, DENT AND BACKHUS **107**, 1609.
**Tail-anchored protein**
intracellular transport of Sso2p: JANTTI, KERANEN, TOIKKANEN, KUISMANEN, EHNHOLM, SODERLUND AND OLKKONEN **107**, 3623.
**Talin**
increased talin, vinculin and DRP in *mdx*: LAW, ALLEN AND TIDBALL **107**, 1477.
serum-induced assembly of focal adhesions in Swiss 3T3 cells: BARRY AND CRITCHLEY **107**, 2033.
**Targeting signal**
targeting of Gαi proteins: BRUNO DE ALMEIDA, HOLTZMAN, PETERS, ERCOLANI, AUSIELLO AND STOW **107.3**, 507.
**tau**
microtubule binding of kinesin and tau: MARYA, SYED, FRAYLICH AND EAGLES **107**, 339.
tau and microtubule stability: BAAS, PIENKOWSKI, CIMBALNIK, TOYAMA, BAKALIS, AHMAD AND KOSIK **107**, 135.
**Taxol**
ensconsin, a novel MT-stabilizing MAP: BULINSKI AND BOSSLER **107**, 2839.
**TCP1**
association of a TCP1-related protein with the nuclear matrix: JOLY, TREMBLAY, TANGUAY, WU AND BIBOR-HARDY **107**, 2851.
**Tektin-A**
turnover and regeneration of sea urchin embryonic cilia: STEPHENS **107.2**, 683.
**Telomeric DNA**
origin of the *Crepis capillaris* B chromosome: JAMILENA, RUIZ REJON AND RUIZ REJON **107.3**, 703.
**Tenascin**
EGF regulates ECM assembly during HC11 differentation: CHAMMAS, TAVERNA, CELLA, SANTOS AND HYNES **107**, 1031.
tenascin-R and tenascin-C block fibronectin-mediated adhesion: PESHEVA, PROBSTMEIER, SKUBITZ, MCCARTHY, FURCHT AND SCHACHNER **107**, 2323.
tenascin/neuronectin regulation: RETTIG, ERICKSON, ALBINO AND GARIN-CHESA **107.2**, 487.
**Terminal differentiation**
keratinocyte cell envelope proteins: STEVEN AND STEINERT **107.2**, 693.
**TGF-β (see Transforming growth factor-β)**
**TGF-β1 (see Transforming growth factor-β1)**
**Thick filament**
zeelins in insect muscle thick filaments: FERGUSON, LAKEY, HUTCHINGS, BUTCHER, LEONARD AND BULLARD **107**, 1115.
**Three-dimensional reconstruction**
nuclear distribution of PCNA in starfish eggs: NOMURA **107**, 3291.
**Thrombospondin**
thrombospondin production by endothelial cells: RAYCHAUDHURY, FRAZIER AND D'AMORE **107**, 39.
**Thyroid**
merosin expression by thyroid cells: ANDRE, FILIPPI AND FERACCI **107**, 183.
**Tight junction**
ATP depletion: I. Rearrangement of the actin cytoskeleton: BACALLAO, GARFINKEL, MONKE, ZAMPIGHI AND MANDEL **107**, 3301.
endothelial tight junctions in blood-brain barrier: WOLBURG, NEUHAUS, KNIESEL, KRAUß, SCHMID, OCALAN, FARRELL AND RISAU **107**, 1347.
**Tip growth**
cytoskeleton and ion channel distribution: LEVINA, LEW AND HEATH **107**, 127.
**Tissue culture**
effect of IL-1α and EGF on collagenase in ECM: VAN DER ZEE, EVERTS, HOEBEN AND BEERTSEN **107**, 1047.
**Tissue inhibitor of metalloproteinases-2**
cell-proliferating activity of TIMP-2: HAYAKAWA, YAMASHITA, OHUCHI AND SHINAGAWA **107**, 2373.
**Tobacco BY-2 cell**
microtubule-translocating activity in tobacco BY-2 cell phragmoplasts: ASADA AND SHIBAOKA **107**, 2249.
**Topographic guidance**
cell response to a cylindrical substratum: ROVENSKY AND SAMOILOV **107**, 1255.
**Topoisomerase**
trypanosomatid DNA replication genes: PASION, BROWN, BROWN AND RAY **107**, 3515.
**Topoisomerase II**
dinoflagellate nuclear matrix: MINGUEZ, FRANCA AND MORENO DIAZ DE LA ESPINA **107**, 2861.
Topo II and DNA damage in spermatogenesis: MORSE-GAUDIO AND RISLEY **107**, 2887.
**Toxin B**
*Clostridium difficile* toxin B in *Xenopus laevis* oocytes: JUST, RICHTER, PREPENS, VON EICHEL-STREIBER AND AKTORIES **107**, 1653.
***Tradescantia***
quantification of microtubule dynamics in living plant cells: HUSH, WADSWORTH, CALLAHAM AND HEPLER **107**, 775.
**Transcription**
differential 5 S RNA gene transcription: WOLFFE **107**, 2055.
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
transcription and initiation of replication: BASSIM HASSAN AND COOK **107**, 1381.
transcription in S-phase: WANSINK, MANDERS, VAN DER KRAAN, ATEN, VAN DRIEL AND DE JONG **107**, 1449.
**Transcription foci**
sites of transcription and the repair of DNA damage: JACKSON, HASSAN, ERRINGTON AND COOK **107**, 1753.
**Transcytotic carrier**
Golgi-associated kinesin: MARKS, LARKIN AND MCNIVEN **107**, 2417.
**Transfection**
epican mediates cell-cell adhesion: MILSTONE, HOUGH-MONROE, KUGELMAN, BENDER AND HAGGERTY **107**, 3183.
MAP2 function: FERRALLI, DOLL AND MATUS **107**, 3115.

**Transferrin**
endosomal trafficking of interleukin 2 and transferrin: DUPREZ, SMOLJANOVIC, LIEB AND DAUTRY-VARSAT **107**, 1289.
interleukin 2 endocytosis: SUBTIL, HEMAR AND DAUTRY-VARSAT **107**, 3461.
transferrin and LDL trafficking in HEp2 cells: GHOSH, GELMAN AND MAXFIELD **107**, 2177.
**Transformation**
P185$^{neuN}$ facilitates differentiation: LUCASSEN, ANDRES, REICHMANN, ENTWISTLE AND NOBLE **107**, 2919.
**Transforming growth factor-β**
antiTGF-$\beta_2$ reduces cutaneous scarring: SHAH, FOREMAN AND FERGUSON **107**, 1137.
effect of TGF-β on osteoprogenitor cells: CRITCHLOW, BLAND AND ASHHURST **107.2**, 499.
TGF-β, serum and microtubule stability: GUNDERSEN, KIM AND CHAPIN **107.3**, 645.
thrombospondin production by endothelial cells: RAYCHAUDHURY, FRAZIER AND D'AMORE **107**, 39.
**Transforming growth factor-β1**
cell kinetic analysis of TGFβ1 action: KRAMER, PATEL, SPARGO AND RILEY **107**, 3469.
differentiation in colorectal epithelium: KIRKLAND AND HENDERSON **107**, 1041.
growth arrest of human keratinocytes: VAN RUISSEN, VAN ERP, DE JONGH, BOEZEMAN, VAN DE KERKHOF AND SCHALKWIJK **107**, 2219.
**Transglutaminase**
cross-linking in hair, feather and teeth: RICE, WONG AND PINKERTON **107**, 1985.
keratinocyte cell envelope proteins: STEVEN AND STEINERT **107.2**, 693.
**Transient expression**
functional domains of CLIP-170: PIERRE, PEPPERKOK AND KREIS **107**, 1909.
**Transitional rough ER**
morphology of post-ER membranous elements: SESSO, DE FARIA, SADAYO, IWAMURA AND CORREA **107.3**, 517.
**Transmembrane domain**
function of Thy-1's GPI anchor: TIVERON, NOSTEN-BERTRAND, JANI, GARNETT, HIRST, GROSVELD AND MORRIS **107**, 1783.
**Transmission electron microscopy**
extraction of plasmodesmata: TURNER, WELLS AND ROBERTS **107**, 3351.
**Transport vesicle**
morphology of post-ER membranous elements: SESSO, DE FARIA, SADAYO, IWAMURA AND CORREA **107.3**, 517.
*vps45* mutants accumulate membrane vesicles: COWLES, EMR AND HORAZDOVSKY **107**, 3449.
**Transporter**
cloning of a liver-specific transporter: SIMONSON, VINCENT, ROBERG, HUANG AND IWANIJ **107**, 1065.
***trans*-Golgi network**
cytoplasmic tail specifies TGN localization: CONIBEAR AND PEARSE **107**, 923.
**TRiC-P5**
association of a TCP1-related protein with the nuclear matrix: JOLY, TREMBLAY, TANGUAY, WU AND BIBOR-HARDY **107**, 2851.
**Triton X-100 insolubility**
syndecan-1 and TX-100 insolubility: MIETTINEN AND JALKANEN **107**, 1571.
**Trophoblast cell**
specific localization of p100-GAP: MOLLAT, FOURNIER, YANG, ALSAT, ZHANG, EVAIN-BRION, GRASSI AND THANG **107.3**, 427.
**Tropomodulin**
lens tropomodulin, tropomyosin and actin: WOO AND FOWLER **107**, 1359.
tropomodulin localization in erythrocyte membranes: URSITTI AND FOWLER **107**, 1633.
**Tropomyosin**
lens tropomodulin, tropomyosin and actin: WOO AND FOWLER **107**, 1359.
tropomodulin localization in erythrocyte membranes: URSITTI AND FOWLER **107**, 1633.
tropomyosin in *Hydra*: LOPEZ DE HARO, SALGADO, DAVID AND BOSCH **107**, 1403.
**Tropomyosin isoform**
tropomyosin isoforms in rat neurons: HAD, FAIVRE-SARRAILH, LEGRAND, MERY, BRUGIDOU AND RABIE **107**, 2963.
**TRP-1**
retinoic acid and UVB-induced melanogenesis: ROMERO, ABERDAM, LARNIER AND ORTONNE **107**, 1095.
**TRP-2**
retinoic acid and UVB-induced melanogenesis: ROMERO, ABERDAM, LARNIER AND ORTONNE **107**, 1095.
**Truncated cyclin B**
truncated cyclin B in *Drosophila*: RIMMINGTON, DALBY AND GLOVER **107**, 2729.
***Trypanosoma brucei***
an 89 kDa S phase protein kinase: GALE JR, CARTER AND PARSONS **107**, 1825.
okadaic acid and cell division: DAS, GALE JR, CARTER AND PARSONS **107**, 3477.
***Trypanosoma brucei rhodesiense***
routing of LGPs in trypanosomes: BRICKMAN AND BALBER **107**, 3191.
**Trypanosome**
an 89 kDa S phase protein kinase: GALE JR, CARTER AND PARSONS **107**, 1825.
**TsBN2**
alternative splicing of the RCC1 gene: MIYABASHIRA, SEKIGUCHI AND NISHIMOTO **107**, 2203.
**Tubular transport**
networks, vesicles and GTP in transport: AYALA S. **107**, 753.
**Tubulin**
distribution of delta 2-tubulin: PATURLE-LAFANECHERE, MANIER, TRIGAULT, PIROLLET, MAZARGUIL AND JOB **107**, 1529.
glutamylated tubulin in developing neurons: AUDEBERT, KOULAKOFF, BERWALD-NETTER, GROS, DENOULET AND EDDE **107**, 2313.
microtubule polymer in interphase and mitosis: ZHAI AND BORISY **107**, 881.
STM observation of microtubules: MAALOUM, CHRETIEN, KARSENTI AND HORBER **107**, 3127.
turnover and regeneration of sea urchin embryonic cilia: STEPHENS **107.2**, 683.
γ-tubulin in the mitotic spindle: LAJOIE-MAZENC, TOLLON, DETRAVES, JULIAN, MOISAND, GUETH-HALLONET, DEBEC, SALLES-PASSADOR, PUGET, MAZARGUIL, RAYNAUD-MESSINA AND WRIGHT **107**, 2825.
**Tubulin (non-tyrosinatable)**
distribution of delta 2-tubulin: PATURLE-LAFANECHERE, MANIER, TRIGAULT, PIROLLET, MAZARGUIL AND JOB **107**, 1529.
glutamylated tubulin in developing neurons: AUDEBERT, KOULAKOFF, BERWALD-NETTER, GROS, DENOULET AND EDDE **107**, 2313.
**β-Tubulin autoregulation**
*C. elegans* β-tubulin mutations: SAVAGE, XUE, MITANI, HALL, ZAKHARY AND CHALFIE **107**, 2165.
**β-Tubulin mutation**
*C. elegans* β-tubulin mutations: SAVAGE, XUE, MITANI, HALL, ZAKHARY AND CHALFIE **107**, 2165.
**Tumor cell growth**
anti-adhesive proteoglycan: YAMAGATA AND KIMATA **107**, 2581.

**Tumor suppression**
α-actinin effects on cell motility and tumorigenicity: GLUCK AND BEN-ZE'EV **107**, 1773.
**Tumorigenesis**
function of syndecans: ELENIUS AND JALKANEN **107**, 2975.
**Turnover**
turnover and regeneration of sea urchin embryonic cilia: STEPHENS **107.2**, 683.
**Type II pneumocytes**
isolation and characterisation of human type II pneumocytes: CUNNINGHAM, MILNE, WILKES, DARK, TETLEY AND KIRBY **107.2**, 443.
**Type IV collagen**
integrins in melanocyte attachment and dendricity: HARA, YAAR, TANG, ELLER, REENSTRA AND GILCHREST **107**, 2739.
**Tyrosinase**
effects of MSH on human melanocytes: HUNT, TODD, CRESSWELL AND THODY **107**, 205.
retinoic acid and UVB-induced melanogenesis: ROMERO, ABERDAM, LARNIER AND ORTONNE **107**, 1095.
**Tyrosination**
distribution of delta 2-tubulin: PATURLE-LAFANECHERE, MANIER, TRIGAULT, PIROLLET, MAZARGUIL AND JOB **107**, 1529.
**Tyrosine kinase**
expression of FGFR-3 in amphibian embryo: SHI, FROMENTOUX, LAUNAY, UMBHAUER AND BOUCAUT **107.3**, 417.
**Tyrosine phosphorylation**
an 89 kDa S phase protein kinase: GALE JR, CARTER AND PARSONS **107**, 1825.
a putative Neu ligand induces SK-BR-3 motility: DE CORTE, DE POTTER, VANDENBERGHE, VAN LAEREBEKE, AZAM, ROELS, MAREEL AND VANDEKERCKHOVE **107.3**, 405.
cloning of paxillin: TURNER AND MILLER **107**, 1583.
par truncated cyclin B in *Dictyostelium* cell division: LUO, MICHAELIS AND WEEKS **107**, 3105.
regulation of cell cycle genes: BURGER, WICK AND MULLER **107**, 2047.
serum-induced assembly of focal adhesions in Swiss 3T3 cells: BARRY AND CRITCHLEY **107**, 2033.
tyrosine phosphorylation of actin: JUNGBLUTH, VON ARNIM, BIEGELMANN, HUMBEL, SCHWEIGER AND GERISCH **107**, 117.
**U snRNP**
U2B″ nuclear transport: KAMBACH AND MATTAJ **107**, 1807.
**U1 RNA**
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
**U2 RNA**
EM study of the expression of Ad5 genomes: PUVION-DUTILLEUL, BACHELLERIE, VISA AND PUVION **107**, 1457.
**U3 snRNA**
U3 snRNA during the cell cycle: AZUM-GELADE, NOAILLAC-DEPEYRE, CAIZERGUES-FERRER AND GAS **107.2**, 463.
**U937**
large DNA fragments in apoptosis of U937: BICKNELL, SNOWDEN AND COHEN **107**, 2483.
**Ultrastructure**
replication sites and the cell cycle: HOZAK, JACKSON AND COOK **107**, 2191.
**Ultraviolet**
PKc and melanogenesis: CARSBERG, WARENIUS AND FRIEDMANN **107**, 2591.
**Uncoating ATPase**
endocytosis is sensitive to anti-UA/hsc70: HONING, KREIMER, ROBENEK AND JOCKUSCH **107**, 1185.
**ura-2**
ATP receptors and secretion in PC12 cells: BARRY AND CHEEK **107.2**, 451.
**Urate oxidase**
urate oxidase and allantoinase localization: USUDA, HAYASHI, FUJIWARA, NOGUCHI, NAGATA, SAMBASIVA RAO, ALVARES, REDDY AND YELDANDI **107**, 1073.
**Urokinase-plasminogen activator**
heparan sulfate proteoglycans: QUARTO AND AMALRIC **107**, 3201.
**Utrophin**
increased talin, vinculin and DRP in *mdx*: LAW, ALLEN AND TIDBALL **107**, 1477.
**UVB**
retinoic acid and UVB-induced melanogenesis: ROMERO, ABERDAM, LARNIER AND ORTONNE **107**, 1095.
**V-H$^+$-ATPase**
colocalization of V-H$^+$-ATPase and a Rab4-like GTPase: BUSH, NOLTA, RODRIGUEZ-PARIS, KAUFMANN, O'HALLORAN, RUSCETTI, TEMESVARI, STECK AND CARDELLI **107**, 2801.
**Vaccinia T7 expression system**
localization of three Rap proteins: PIZON, DESJARDINS, BUCCI, PARTON AND ZERIAL **107**, 1661.
**Vacuolar ATPase**
16 kDa proteolipid and ductin are the same in insects: FINBOW, GOODWIN, MEAGHER, LANE, KEEN, FINDLAY AND KAISER **107**, 1817.
vacuolar deacidification and protein targeting: MORANO AND KLIONSKY **107**, 2813.
**Vacuole**
vacuolar deacidification and protein targeting: MORANO AND KLIONSKY **107**, 2813.
*vps45* mutants accumulate membrane vesicles: COWLES, EMR AND HORAZDOVSKY **107**, 3449.
**Vascular development**
effects of astrocytes on fibronectin: JIANG, LIOU, BEHZADIAN AND CALDWELL **107**, 2499.
**Vascular malformation**
thrombospondin production by endothelial cells: RAYCHAUDHURY, FRAZIER AND D'AMORE **107**, 39.
**Vascular smooth muscle**
laminin, integrins and muscle migration: CLYMAN, TANNENBAUM, CHEN, COOPER, YURCHENCO, KRAMER AND WALEH **107**, 1007.
**VCAM-1**
integrin-binding sites in VCAM-1: CLEMENTS, NEWHAM, SHEPHERD, GILBERT, DUDGEON, NEEDHAM, EDWARDS, BERRY, BRASS AND HUMPHRIES **107**, 2127.
**VEC microscopy**
cytoplasmic transport in ovarian follicles: BOHRMANN AND BIBER **107**, 849.
**Velocity vector field**
a gradient method for cell movement analysis: SIEGERT, WEIJER, NOMURA AND MIIKE **107**, 97.
**Vesicle fusion**
targeted fusion of phagocytic vesicles: VERAS, DE CHASTELLIER, MOREAU, VILLIERS, THIBON, MATTEI AND RABINOVITCH **107**, 3065.
**Vesicular transport**
networks, vesicles and GTP in transport: AYALA S. **107**, 753.
***Vha16***
16 kDa proteolipid and ductin are the same in insects: FINBOW, GOODWIN, MEAGHER, LANE, KEEN, FINDLAY AND KAISER **107**, 1817.
**Viability**
apoptosis in fibroblasts: KULKARNI AND MCCULLOCH **107**, 1169.
**Video-enhanced microscopy**
motile domains in membrane tubule extension: ALLAN AND VALE **107**, 1885.
**Villin**
microinjection of myosin-I: FOOTER AND BRETSCHER **107**, 1623.

**Villus**
apoptosis in the gut: HALL, COATES, ANSARI AND HOPWOOD **107**, 3569.
**Vimentin**
intermediate filaments and nuclear morphology: SARRIA, LIEBER, NORDEEN AND EVANS **107**, 1593.
prosome antigens on intermediate filaments: OLINK-COUX, ARCANGELETTI, PINARDI, MINISINI, HUESCA, CHEZZI AND SCHERRER **107.3**, 353.
vimentin affects glycolipid biosynthesis: GILLARD, THURMON, HARRELL, CAPETANAKI, SAITO, YU AND MARCUS **107**, 3545.
vimentin's tail: CARY, KLYMKOWSKY, EVANS, DOMINGO, DENT AND BACKHUS **107**, 1609.
**Vinculin**
breast carcinoma cell adhesions: DEPASQUALE, SAMSONOFF AND GIERTHY **107**, 1241.
increased talin, vinculin and DRP in *mdx*: LAW, ALLEN AND TIDBALL **107**, 1477.
serum-induced assembly of focal adhesions in Swiss 3T3 cells: BARRY AND CRITCHLEY **107**, 2033.
the paxillin-binding site in vinculin: WOOD, TURNER, JACKSON AND CRITCHLEY **107.2**, 709.
**Viscoelasticity**
AFM of MDCK cells: HOH AND SCHOENENBERGER **107**, 1105.
**Vitellogenin**
yolk platelet pH in *Xenopus* development: FAGOTTO AND MAXFIELD **107**, 3325.
**Vitronectin**
substratum adhesion and scatter factor activity: CLARK **107**, 1265.
**Voltage**
properties of chimeric connexins: BRUZZONE, WHITE AND PAUL **107**, 955.
***VPS45***
*vps45* mutants accumulate membrane vesicles: COWLES, EMR AND HORAZDOVSKY **107**, 3449.
**Water channel**
a 28 kDa orthogonal array protein in kidney: VERBAVATZ, VAN HOEK, MA, SABOLIC, VALENTI, ELLISMAN, AUSIELLO, VERKMAN AND BROWN **107**, 1083.
**wee mutant**
H1 histone kinase in *S. pombe*: CREANOR AND MITCHISON **107**, 1197.
**Werner's syndrome**
proliferation in normal and progeroid fibroblasts: KILL, FARAGHER, LAWRENCE AND SHALL **107.2**, 571.
**Wound healing**
fibroblast phenotype heterogeneity: IRWIN, PICARDO, ELLIS, SLOAN, GREY, MCGURK AND SCHOR **107**, 1333.
macrophages and embryonic wound healing: HOPKINSON-WOOLLEY, HUGHES, GORDON AND MARTIN **107**, 1159.
***Xenopus laevis***
$[Ca^{2+}]_i$ in *Xenopus* eggs and embryos: KEATING, CORK AND ROBINSON **107**, 2229.
focal adhesion kinase in skeletal muscle: BAKER, DAGGETT AND PENG **107**, 1485.
SRP RNA nuclear transport: HE, BATAILLE AND FRIED **107**, 903.
Topo II and DNA damage in spermatogenesis: MORSE-GAUDIO AND RISLEY **107**, 2887.
yolk platelet pH in *Xenopus* development: FAGOTTO AND MAXFIELD **107**, 3325.
***Xenopus* egg extract**
DNA synthesis in *Xenopus* egg extracts: HOLA, CASTLEDEN, HOWARD AND BROOKS **107**, 3045.
***Xenopus* oocyte**
meiotic cell cycles in *Xenopus* oocytes: OHSUMI, SAWADA AND KISHIMOTO **107**, 3005.
properties of chimeric connexins: BRUZZONE, WHITE AND PAUL **107**, 955.
**Yeast**
cyclin in cell cycle exit: FORSBURG AND NURSE **107.3**, 601.
identification of *MYO4*: HAARER, PETZOLD, LILLIE AND BROWN **107**, 1055.
in vivo analysis of calmodulin in yeast: HARRIS, WATTERSON AND THORNER **107**, 3235.
**Yeast FUS3/DAC2 gene**
role of yeast MAP kinase homolog: FUJIMURA **107**, 2617.
**Yolk degradation**
yolk platelet pH in *Xenopus* development: FAGOTTO AND MAXFIELD **107**, 3325.
**Zeelin**
zeelins in insect muscle thick filaments: FERGUSON, LAKEY, HUTCHINGS, BUTCHER, LEONARD AND BULLARD **107**, 1115.
**Zinc**
large DNA fragments in apoptosis of U937: BICKNELL, SNOWDEN AND COHEN **107**, 2483.
**Zucchini hypocotyl**
plant adaptins: HOLSTEIN, DRUCKER AND ROBINSON **107**, 945.
**Zygote cortex**
isolation of a contractile egg cortex: WALKER, KANE AND BURGESS **107**, 2239.